

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☒**APPLICATION FOR PERMIT TO DRILL****1. WELL NAME and NUMBER**

Lake Fork Ranch 3-14B4

**2. TYPE OF WORK**DRILL NEW WELL ☒ REENTER P&A WELL ☐ DEEPEN WELL ☐**3. FIELD OR WILDCAT**

ALTAMONT

**4. TYPE OF WELL**

Oil Well Coalbed Methane Well: NO

**5. UNIT or COMMUNITIZATION AGREEMENT NAME****6. NAME OF OPERATOR**

EL PASO E&amp;P COMPANY, LP

**7. OPERATOR PHONE**

303 291-6417

**8. ADDRESS OF OPERATOR**

1099 18th ST, STE 1900 , Denver, CO, 80202

**9. OPERATOR E-MAIL**

marie.okeefe@elpaso.com

**10. MINERAL LEASE NUMBER  
(FEDERAL, INDIAN, OR STATE)  
FEE****11. MINERAL OWNERSHIP**FEDERAL ☐ INDIAN ☐ STATE ☐ FEE ☒**12. SURFACE OWNERSHIP**FEDERAL ☐ INDIAN ☐ STATE ☐ FEE ☒**13. NAME OF SURFACE OWNER (if box 12 = 'fee')**

Lake Fork Ranches, Inc

**14. SURFACE OWNER PHONE (if box 12 = 'fee')**

435.454.3546

**15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')**

HC65 Box 510048, Mountain Home, UT 84051

**16. SURFACE OWNER E-MAIL (if box 12 = 'fee')****17. INDIAN ALLOTTEE OR TRIBE NAME  
(if box 12 = 'INDIAN')****18. INTEND TO COMMINGLE PRODUCTION FROM  
MULTIPLE FORMATIONS**YES ☐ (Submit Commingling Application) NO ☒**19. SLANT**VERTICAL ☒ DIRECTIONAL ☐ HORIZONTAL ☐**20. LOCATION OF WELL****FOOTAGES****QTR-QTR****SECTION****TOWNSHIP****RANGE****MERIDIAN****LOCATION AT SURFACE**

1321 FSL 1246 FEL

SESE

14

2.0 S

4.0 W

U

**Top of Uppermost Producing Zone**

1321 FSL 1246 FEL

SESE

14

2.0 S

4.0 W

U

**At Total Depth**

1321 FSL 1246 FEL

SESE

14

2.0 S

4.0 W

U

**21. COUNTY**

DUCHESNE

**22. DISTANCE TO NEAREST LEASE LINE (Feet)**

1246

**23. NUMBER OF ACRES IN DRILLING UNIT**

640

**25. DISTANCE TO NEAREST WELL IN SAME POOL  
(Applied For Drilling or Completed)**

2000

**26. PROPOSED DEPTH**

MD: 13500 TVD: 13500

**27. ELEVATION - GROUND LEVEL**

6199

**28. BOND NUMBER****29. SOURCE OF DRILLING WATER /  
WATER RIGHTS APPROVAL NUMBER IF APPLICABLE**

43-8362

**ATTACHMENTS****VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES**

WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER



COMPLETE DRILLING PLAN



AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)



FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER

DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY  
DRILLED)

TOPOGRAPHICAL MAP

NAME Marie Okeefe

TITLE Sr Regulatory Analyst

PHONE 303 291-6417

SIGNATURE

DATE 09/01/2009

EMAIL marie.okeefe@elpaso.com

API NUMBER ASSIGNED  
43013500970000

APPROVAL



Permit Manager

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Cond	17.5	13.375	0	600		
Pipe	Grade	Length	Weight			
	Grade J-55 ST&C	600	54.5			

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Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
I1	8.75	7	0	10751		
Pipe	Grade	Length	Weight			
	Grade P-110 LT&C	10751	26.0			

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Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Prod	6.125	4.5	0	13500		
Pipe	Grade	Length	Weight			
	Grade P-110 LT&C	13500	13.5			

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Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Surf	12.25	9.625	0	6561		
Pipe	Grade	Length	Weight			
	Grade HCN-80 LT&C	6561	40.0			

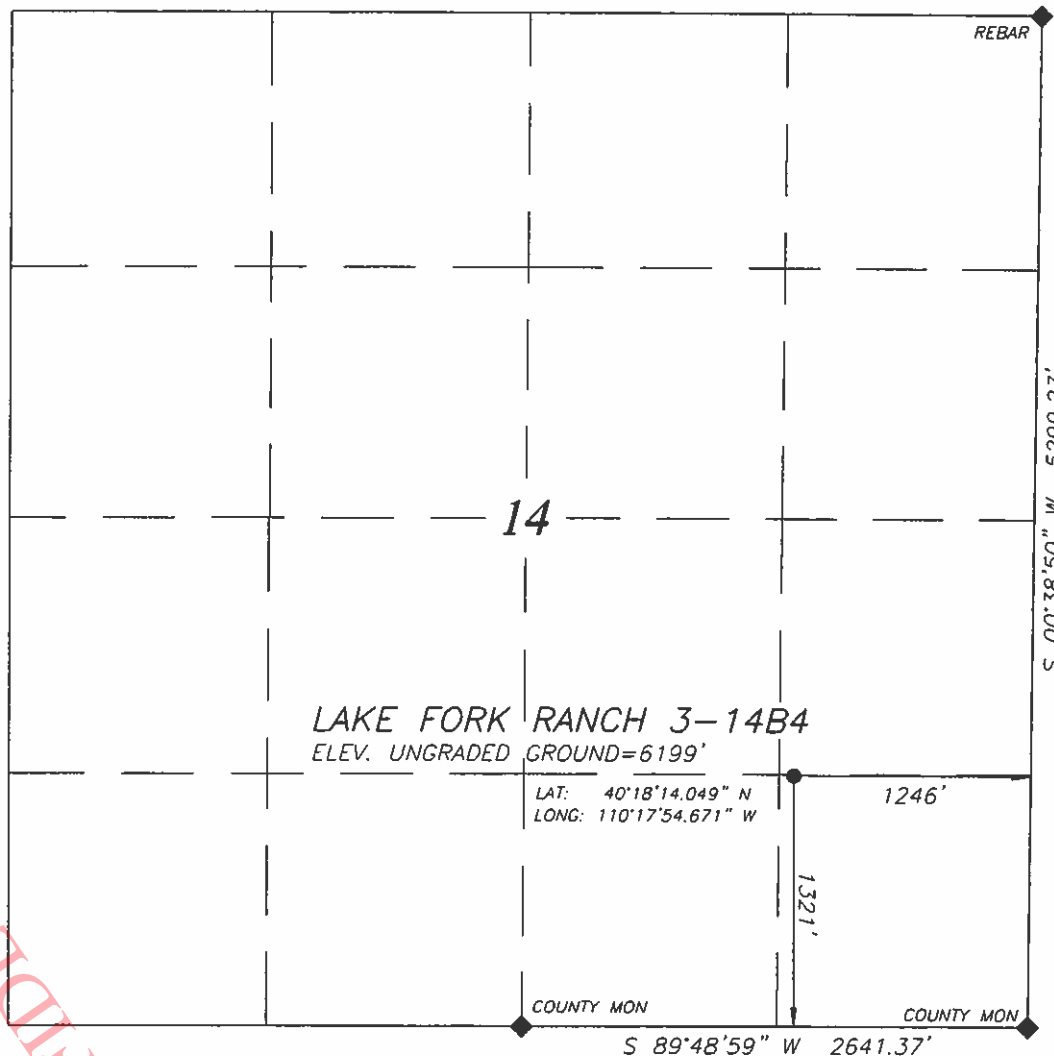
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# EL PASO E & P COMPANY, L.P.

WELL LOCATION

LAKE FORK RANCH 3-14B4

LOCATED IN THE SE¼ OF THE SE¼ OF  
SECTION 14, T2S, R4W, U.S.B.&M.  
DUCHESNE COUNTY, UTAH



REBAR

NORTH

SCALE: 1"=1000'



LAKE FORK RANCH 3-14B4

ELEV. UNGRADED GROUND=6199'

LAT: 40°18'14.049" N  
LONG: 110°17'54.671" W

1246'

1321'

COUNTY MON

COUNTY MON

S 89°48'59" W 2641.37'

## SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM THE FIELD NOTES AND ELECTRONIC DATA COLLECTOR FILES OF AN ACTUAL SURVEY PERFORMED BY ME, OR UNDER MY PERSONAL SUPERVISION, DURING WHICH THE SHOWN MONUMENTS WERE FOUND OR REESTABLISHED.

## LEGEND AND NOTES

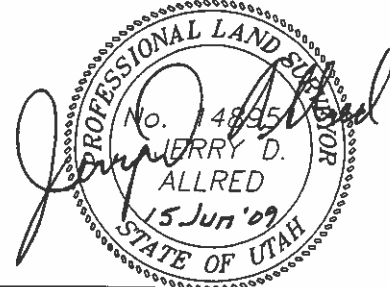
- ◆ CORNER MONUMENTS FOUND AND USED BY THIS SURVEY

THE GENERAL LAND OFFICE (G.L.O.) PLAT WAS USED FOR REFERENCE AND CALCULATIONS AS WAS THE U.S.G.S. MAP

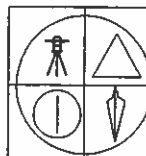
THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT

THE BASIS OF BEARINGS IS GEODETIC NORTH DERIVED FROM G.P.S. OBSERVATIONS AT THE SE CORNER OF SECTION 15 LOCATED AT LAT. 40°18'01.194"N AND LONG. 110°19'54.795"W USING THE UTAH STATE G.P.S. VIRTUAL REFERENCE STATION CONTROL NETWORK MAINTAINED AND OPERATED BY THE AUTOMATED GEOGRAPHIC REFERENCE CENTER

BASIS OF ELEVATIONS: NAVD 88 DATUM USING THE UTAH REFERENCE NETWORK CONTROL SYSTEM



JERRY D. ALLRED, REGISTERED LAND SURVEYOR,  
CERTIFICATE NO. 148951 (UTAH)



JERRY D. ALLRED & ASSOCIATES  
SURVEYING CONSULTANTS

1235 NORTH 700 EAST--P.O. BOX 975  
DUCHESNE, UTAH 84021  
(435) 738-5352

12 JUN 2009 01-128-085


APIWellNo:43013500970000

**AFFIDAVIT OF SURFACE DAMAGE AGREEMENT**

Laura Smith personally appeared before me, and, being duly sworn, deposes and says:

1. My name is Laura Smith. I am a Sr. Staff Landman for El Paso E&P Company, L.P., whose address is 1099 18<sup>th</sup> Street, Suite 1900, Denver, Colorado 80202 ("El Paso").
2. El Paso is the Operator of the proposed Lake Fork Ranch 3-14B4 well to be located in the SE/4 of Section 14, Township 2 South, Range 4 West, Duchesne County, Utah (the "Drillsite Location"). The surface owner of the Drillsite Location is the Lake Fork Ranch, Inc., c/o Brent and Donna Brotherson, HC65, Box 510048, Mountain Home, Utah 84051-9801 (the "Surface Owner").
3. El Paso and the Surface Owner have agreed upon a damage settlement and release agreement covering the Drillsite Location and access to the Drillsite Location.

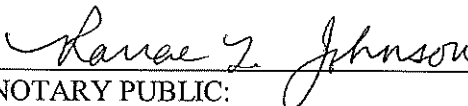
FURTHER AFFIANT SAYETH NOT.

  
\_\_\_\_\_  
Laura Smith

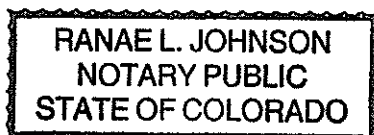
**ACKNOWLEDGEMENT**

STATE OF COLORADO       §  
CITY AND                   §  
COUNTY OF DENVER       §

Before me, a Notary Public, in and for this state, on this 28th day of July, 2009 personally appeared Laura Smith, to me known to be the identical person who executed the within and foregoing instrument, and acknowledged to me that she executed the same as her own free and voluntary act and deed for the uses and purposes therein set forth.

  
\_\_\_\_\_  
NOTARY PUBLIC:

My Commission Expires:

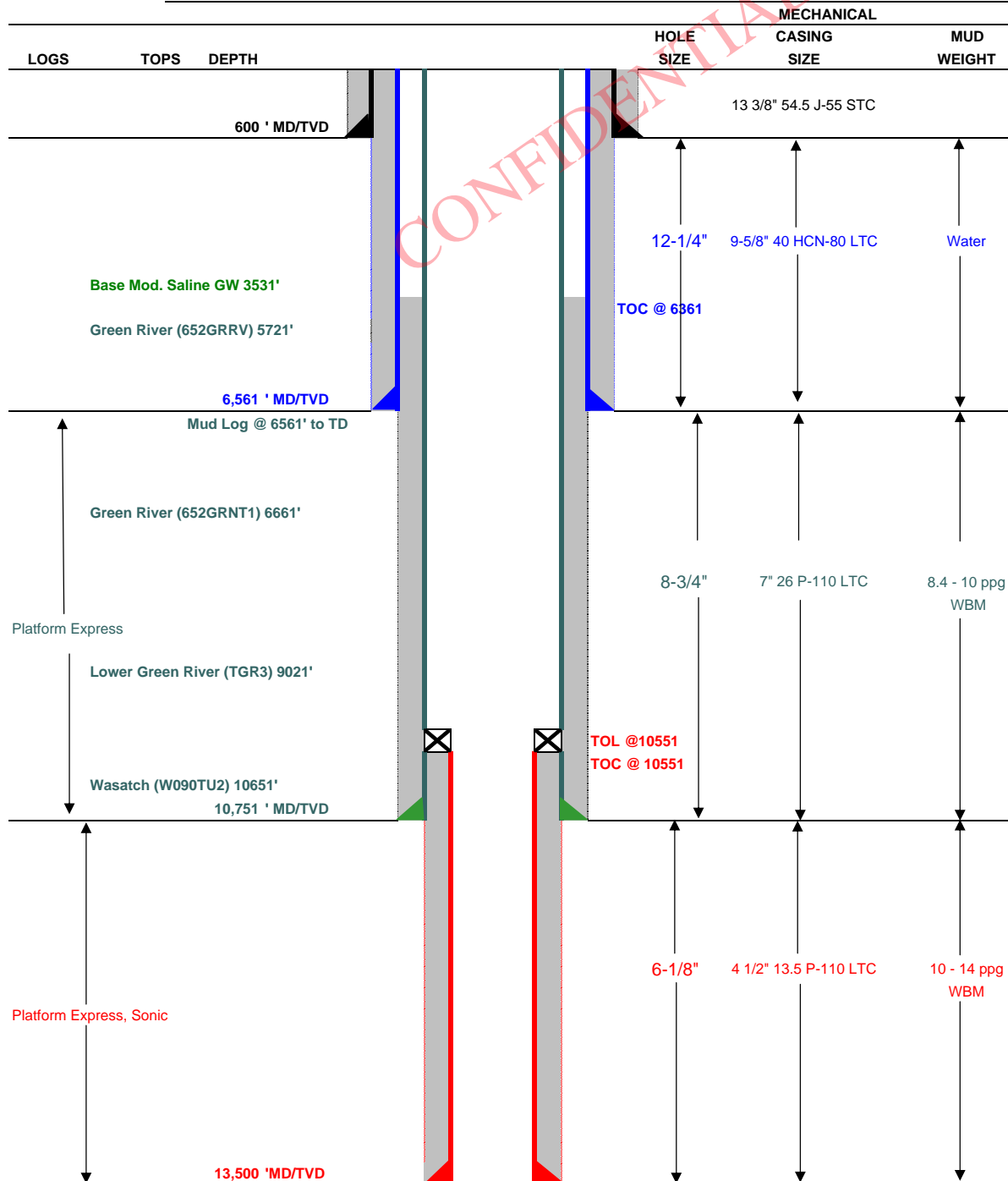


My Commission Expires 09-26-2010



### Drilling Schematic

<b>Company Name:</b>	El Paso Exploration & Production	<b>Date:</b>	August 14, 2009
<b>Well Name:</b>	LAKE FORK RANCH 3-14B4	<b>TD:</b>	13,500
<b>Field, County, State:</b>	Altamont - Bluebell, Duchesne, Utah	<b>AFE #:</b>	
<b>Surface Location:</b>	Sec 14 T2S R4W 1321' FSL 1246' FEL	<b>BHL:</b>	Straight Hole
<b>Objective Zone(s):</b>	Green River, Wasatch	<b>Elevation:</b>	6231' KB
<b>Rig:</b>	Precision drilling 426	<b>Spud (est.):</b>	
<b>BOPE Info:</b>	5.0 x 13 3/8 rotating head from 600 to 6561 11 5M BOP stack and 5M kill lines and choke manifold used from 6561 to 10751 & 11 10M BOE w/rotating head, 5M annular, 3.5 rams, blind rams & mud cross from 10751 to TD		



**DRILLING PROGRAM**

**CASING PROGRAM**

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	13 3/8"	0' - 600	54.5	J-55	STC	2,730	1,130	1,399
						5.69	4.06	42.78
SURFACE	9-5/8"	0' - 6561	40.00	HCN-80	LTC	5,750	4,230	737
						1.10	1.38	2.24
INTERMEDIATE	7"	0' - 10751	26.00	P-110	LTC	9,950	6,230	639
						1.16	1.11	1.90
PRODUCTION LINER	4 1/2"	10551' - 13500	13.50	P-110	LTC	12,410	10,680	338
						6.20	1.09	2.57

CEMENT PROGRAM		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
CONDUCTOR		600	Class G + 3% CACL2	400	10%	15.6 ppg	1.15
SURFACE	Lead	6,061	Premium Lite II Plus, 2% CaCl2 0.3% FL5, 0.5% Sodium Metasilicate	1190	100%	11.0 ppg	3.2
	Tail	500	Class G 50:50 poz, 2% CaCl2, 2% gel, 0.3% sodium metasilicate	260	100%	14.1 ppg	1.25
	Lead	3,890	CemCRETE Blend, 5.9/44.1 (D961/D124) + 0.2 %bwob D65 + 0.2 %bwob D46 + 0.4 %bwob D13 + 0.2 %bwob D167	240	35%	11.5 ppg	3.30
	Tail	500	10:0 RFC (Class G)	50	35%	12.5 ppg	2.30
PRODUCTION LINER		2,949	WellBond Slurry, Class G + 35% D66 + 1.6 gps D600G + 0.05 gps D80 + 0.3% D167 + 0.2% D46 + 0.4% D800 + 1% D20	190	25%	14.5 ppg	1.86

**FLOAT EQUIPMENT & CENTRALIZERS**

CONDUCTOR	PDC drillable guide shoe, 1 joint, PDC drillable float collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing.
SURFACE	PDC drillable guide shoe, 1 joint casing, PDC drillable float collar & Stage collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing & every 3rd joint thereafter.
INTERMEDIATE	PDC drillable 10M, P-110 float shoe, 1 joint, PDC drillable 10M, P-110 float collar. Thread lock all float equipment. Install 2 bow spring centralizers every 3rd joint.
LINER	Float shoe, 1 joint, float collar. Rigid centralizer every other joint. Thread lock all FE

PROJECT ENGINEER(S): Vladimir Roudakov

MANAGER: Eric Giles

**LAKE FORK RANCH 3-14B4  
SE SE Sec. 14, T2S, R4W  
DUCHESNE COUNTY, UT**

**EL PASO E&P COMPANY, L.P.**

1. **Estimated Tops of Important Geologic Markers**

<u>Formation</u>	<u>Depth</u>
Green River	6,661'
Mahogany Bench	7,731'
L. Green River	9,021'
Wasatch	10,651'
TD	13,500'

2. **Estimated Depths of Anticipated Water, Oil, Gas or Mineral Formations:**

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	6,661'
	Mahogany Bench	7,731'
Oil	L. Green River	9,021'
Oil	Wasatch	10,651'

3. **Pressure Control Equipment:** (Schematic Attached)

A 5.0" by 20.0" rotating head on structural pipe from surface to 600'. A 5.0" by 13 3/8" Smith Rotating Head from 600' to 6,561' on Conductor. A 5M BOP stack, 5M kill lines and choke manifold used from 6,561' to 10,751'. An 11.0", 10M BOE w/rotating head, 5M annular, blind rams & mud cross from 10,751' to 13,500'.

The BOPE and related equipment will meet the requirements of the 5M and 10M system.

**OPERATORS MINIMUM SPECIFIC FOR BOPE:**

The surface casing will be equipped with a flanged casing head of 5M PSI working pressure. We will NU an 11.0" 5M BOP, 5M Annular. This equipment will be nipped up on the surface casing and tested to 250 psi low test/5M psi high test prior to drilling out. The surface casing will be

tested to 1500 psi. Intermediate casing will be tested to the greater of 1500 psi or .22 psi/ft. The choke manifold equipment, upper Kelly cock, floor safety valves will be tested to 5M psi. The annular preventor will be tested to 250 psi low test and 2500 psi high test or 50% of rated working pressure. A 10M BOP installed with 5M annular with 3 ½" rams, blind rams, mud cross and rotating head from intermediate shoe to TD. The BOPE will be hydraulically operated.

In addition, the BOP equipment will be tested after running intermediate casing, after any repairs to the equipment and at least once every 30 days. Pipe and blind rams will be activated on each trip, annular preventor will be activated weekly and weekly BOP drills will be held with each crew.

**Statement on Accumulator System and Location of Hydraulic Controls:**

Precision Rig # 426 will be used at the proposed location. Operations will commence after approval of this application. Manual and/or hydraulic controls will be in compliance for 5M and 10M psi systems.

**Auxiliary Equipment:**

- A) Mud logger with gas monitor – 6,500' to TD
- B) Choke manifold with one manual and one hydraulic operated choke
- C) Full opening floor valve with drill pipe thread
- D) Upper and lower Kelly cock
- E) Shake, desander, desilter and mud cleaner.

4. **Proposed Casing & Cementing Program:**

Please refer to the attached Drilling Program.

5. **Drilling Fluids Program:**

Proposed Mud Program:

Interval	Type	Mud Weight
Surface	WBM	8.4 – 8.9
Intermediate	WBM	8.4 – 10.0
Production	WBM	10.0 – 14

Anticipated mud weights are based on actual offset well bottom-hole pressure data. Mud weights utilized may be somewhat higher to allow for trip margin and to provide hole stability for running logs and casing. Visual mud monitoring equipment will be utilized.

6. **Evaluation Program:**

Logs:

Mud Log: From base of surface casing to TD.

Open Hole Logs: Gamma Ray, Density, Neutron, Resistivity, Sonic, from base of surface casing to TD

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 13,500' TD equals approximately 9,819 psi (calculated at 0.7273 psi/foot).

Maximum anticipated surface pressure equals approximately 6,849 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/ft).

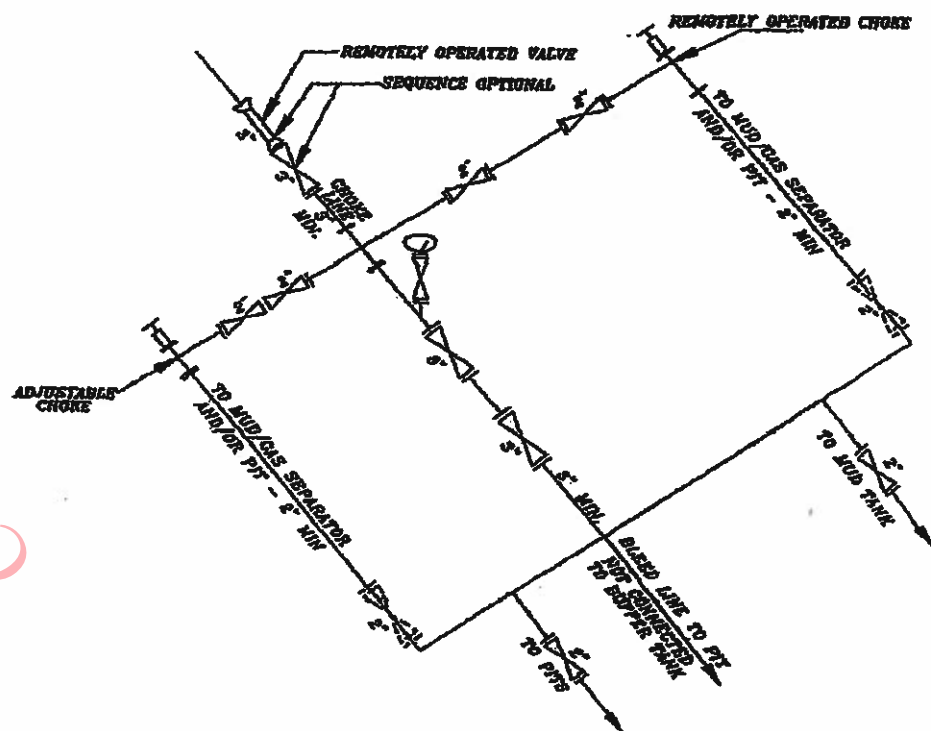
Maximum anticipated surface pressure based on frac gradient at 7" casing shoe is 0.8 psi/ft at 10,751' = 6,235 psi

BOPE and casing design is based on the lesser of the two MASPs which is frac at shoe 6,235 psi

8. **OPERATOR REQUESTS THAT THE PROPOSED WELL BE PLACED ON CONFIDENTIAL STATUS.**

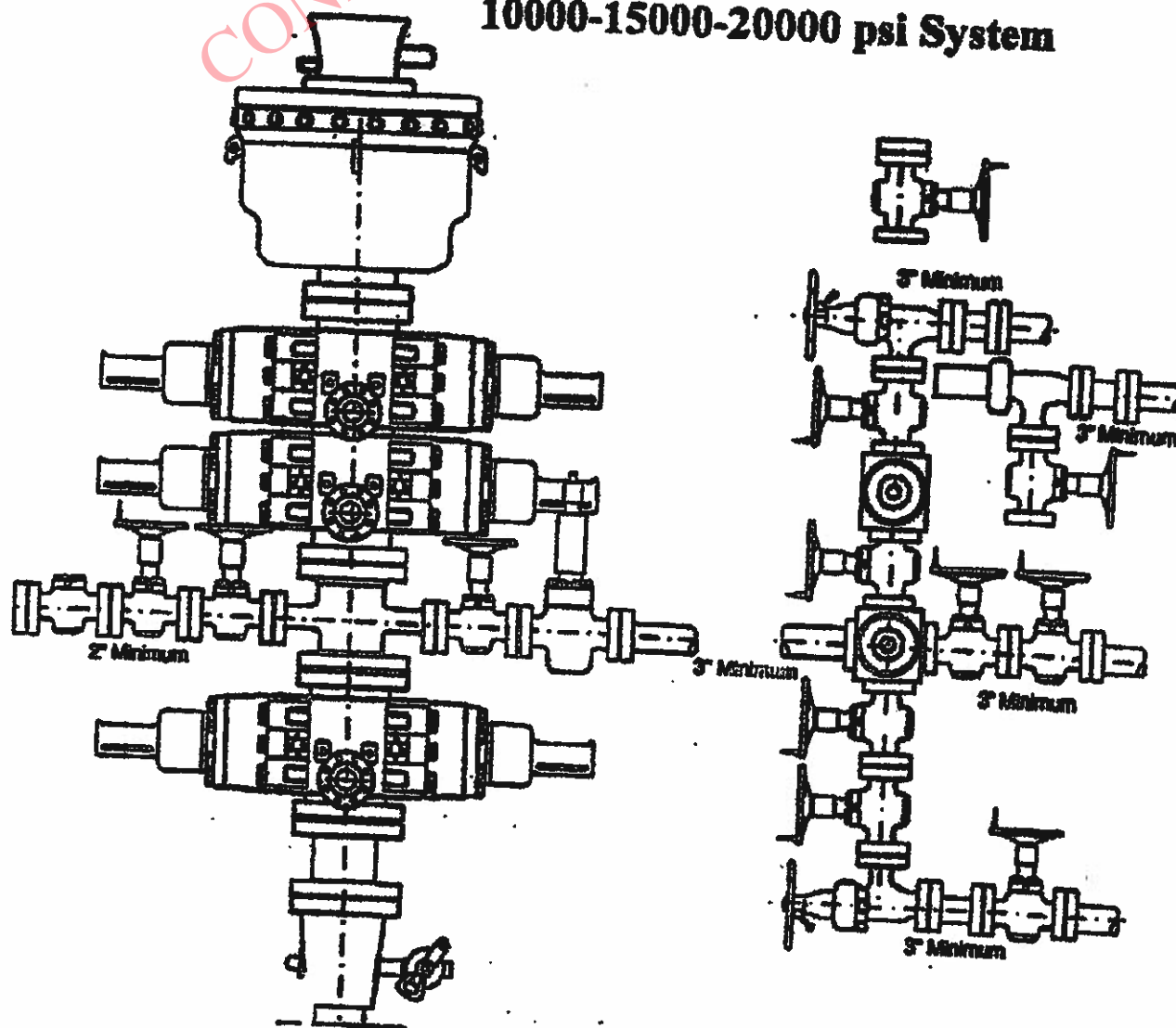


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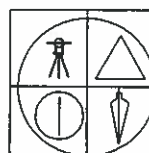
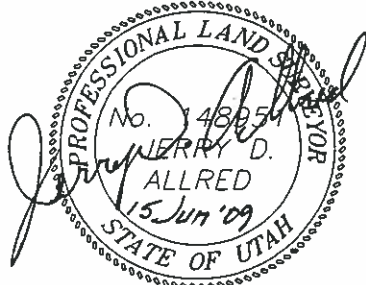
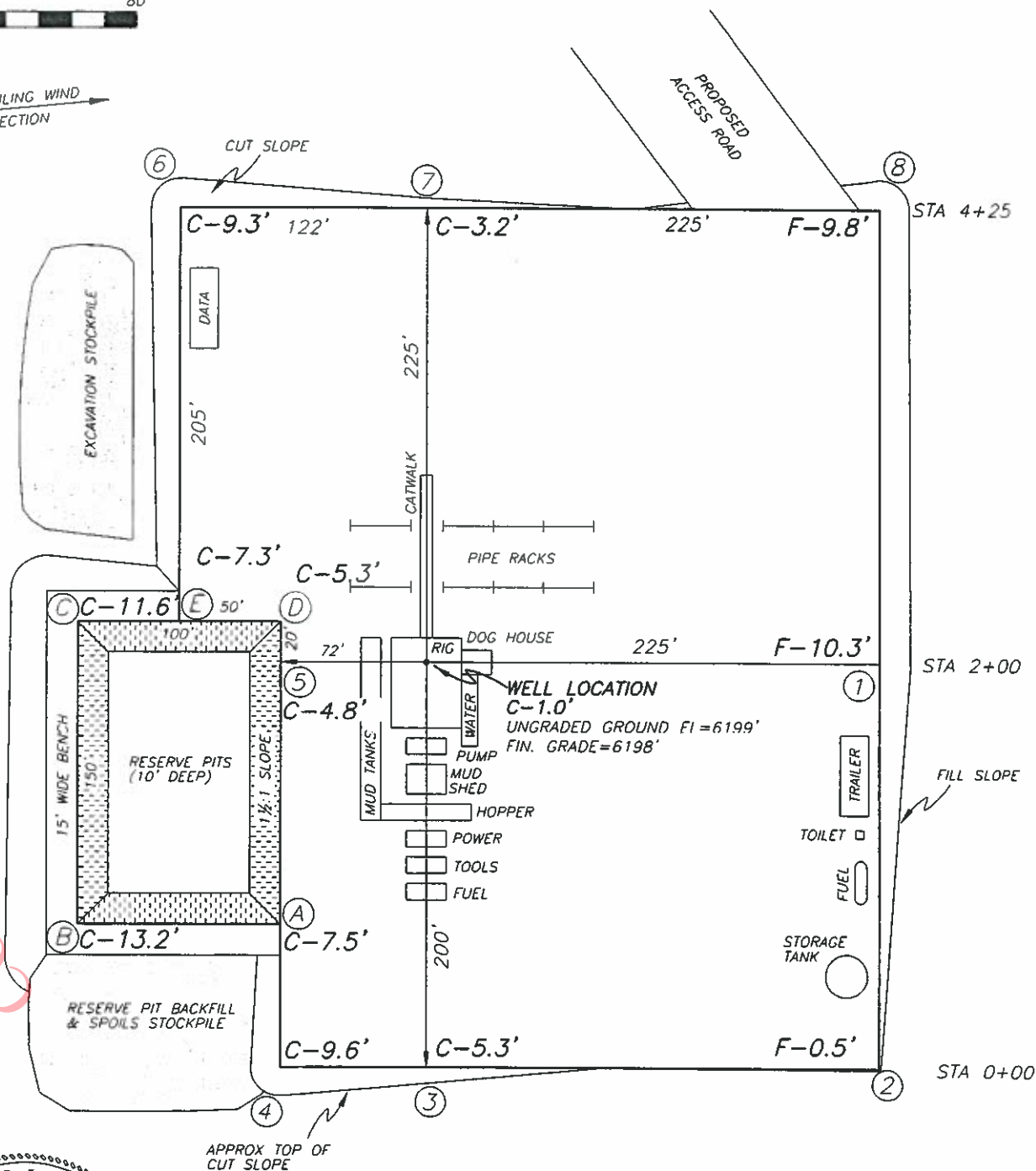
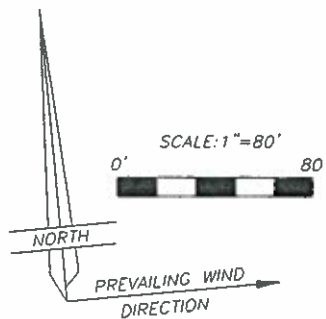
# 10000-15000-20000 psi System



# EL PASO E & P COMPANY, L.P.

LOCATION LAYOUT FOR  
LAKE FORK RANCH 3-14B4  
SECTION 14, T2S, R4W, U.S.B.&M.  
1321' FSL, 1246' FEL

FIGURE #1



JERRY D. ALLRED & ASSOCIATES  
SURVEYING CONSULTANTS

1235 NORTH 700 EAST--P.O. BOX 975  
DUCESNE, UTAH 84021  
(435) 738-5352

15 JUN 2009

01-128-085

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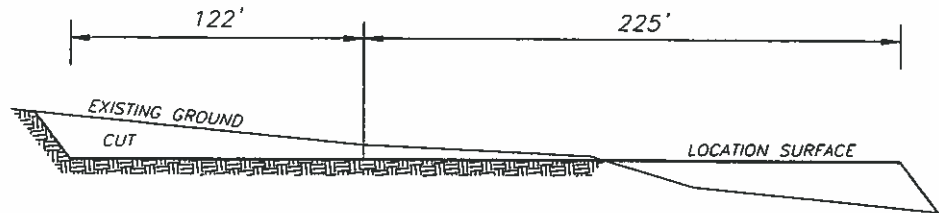
# EL PASO E & P COMPANY, L.P.

LOCATION LAYOUT FOR  
LAKE FORK RANCH 3-14B4  
SECTION 14, T2S, R4W, U.S.B.&M.  
1321' FSL, 1246' FEL

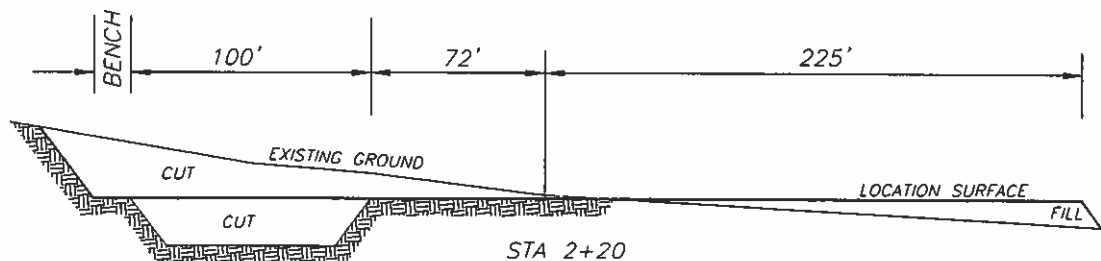
FIGURE #2

1"=40'  
X-SECTION  
SCALE  
1"=80'

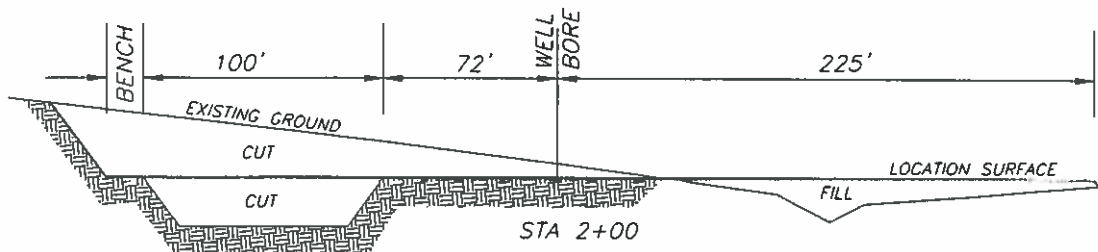
NOTE: ALL CUT/FILL  
SLOPES ARE 1½:1  
UNLESS OTHERWISE  
NOTED



STA 4+25



STA 2+20



STA 2+00



STA 0+00

APPROXIMATE YARDAGES

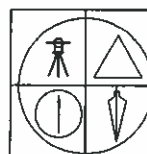
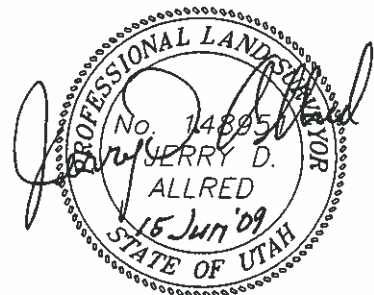
TOTAL CUT (INCLUDING PIT) = 22,645 CU. YDS.

PIT CUT = 4250 CU. YDS.

TOPSOIL STRIPPING: (6") = 3199 CU. YDS.

REMAINING LOCATION CUT = 15,196 CU. YDS.

TOTAL FILL = 14,425 CU. YDS.



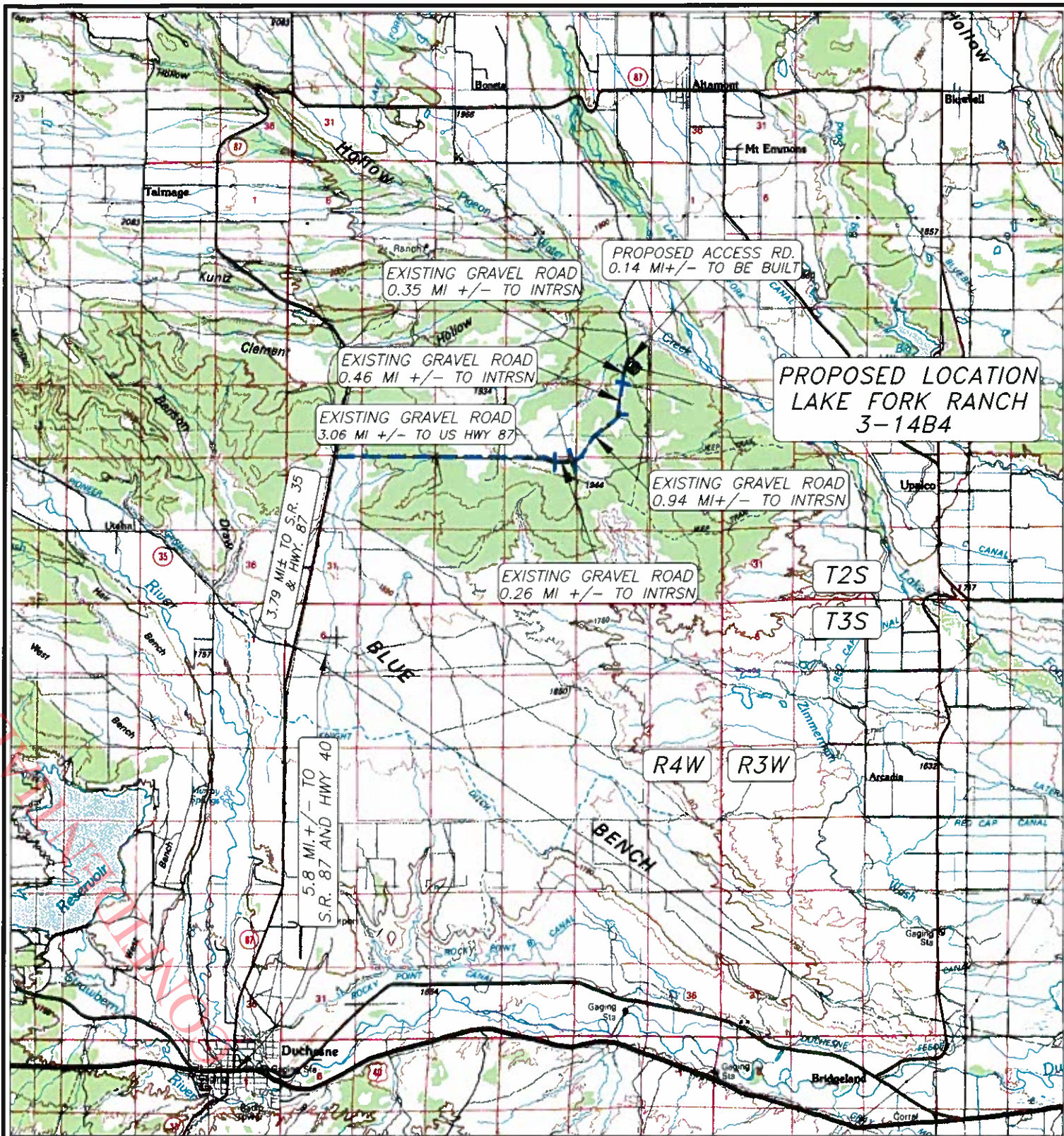
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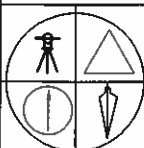


## LEGEND:



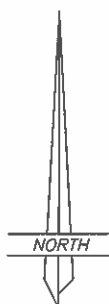
PROPOSED WELL LOCATION

01-128-085



**JERRY D. ALLRED & ASSOCIATES**  
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DUCHESE, UTAH 84021  
(435) 738-5352



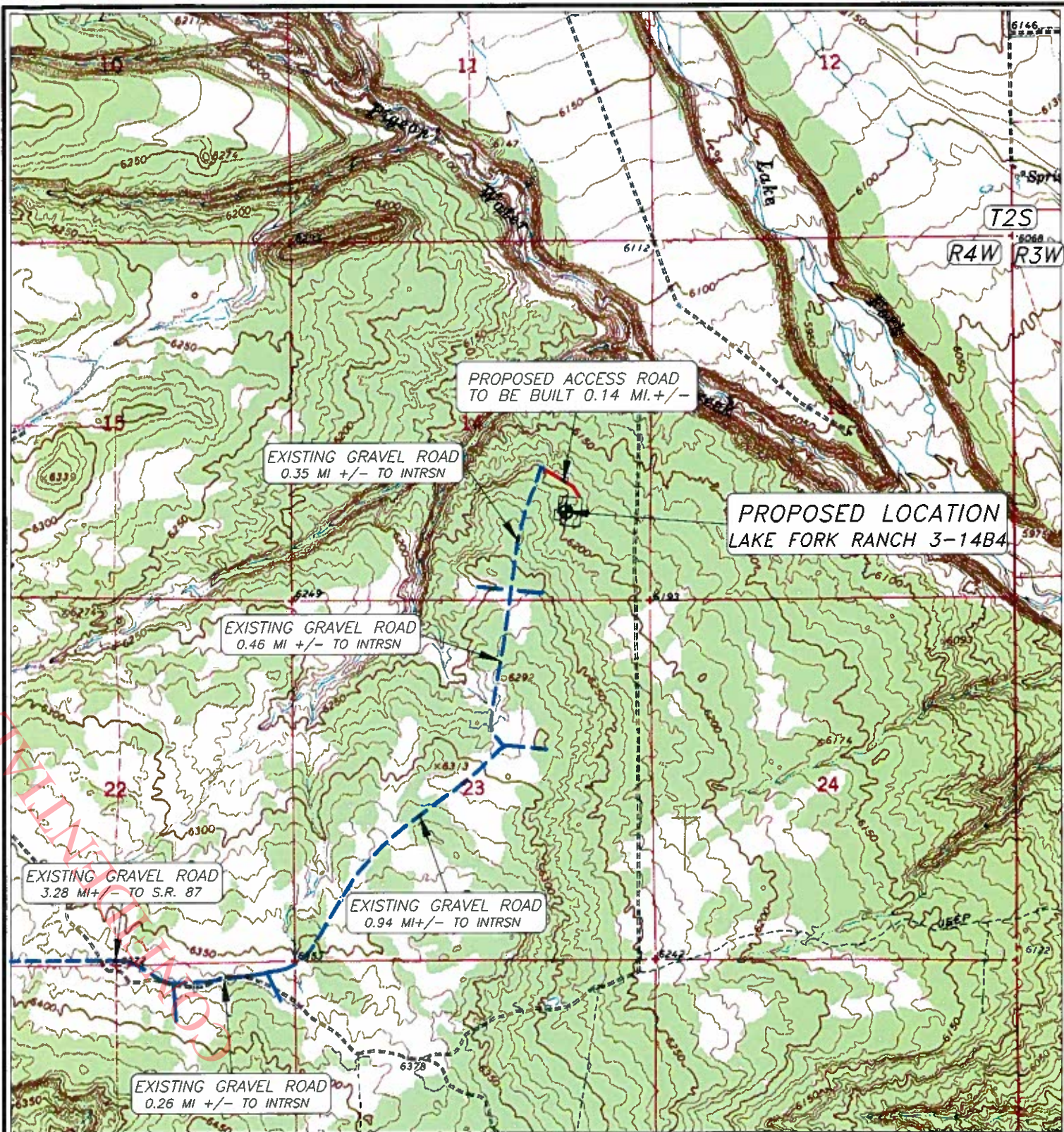
**EL PASO E & P COMPANY, L.P.**

LAKE FORK RANCH 3-14B4  
SECTION 14, T2S, R4W, U.S.B.&M.  
1321' FSL 1246' FEL

**TOPOGRAPHIC MAP "A"**

SCALE: 1"=10,000'  
12 JUN 2009





## LEGEND:

- PROPOSED WELL LOCATION
- PROPOSED ACCESS ROAD
- EXISTING GRAVEL ROAD
- EXISTING PAVED ROAD

01-128-085

**JERRY D. ALLRED & ASSOCIATES**  
SURVEYING CONSULTANTS

1235 NORTH 700 EAST--P.O. BOX 975  
DUCHESTER, UTAH 84021  
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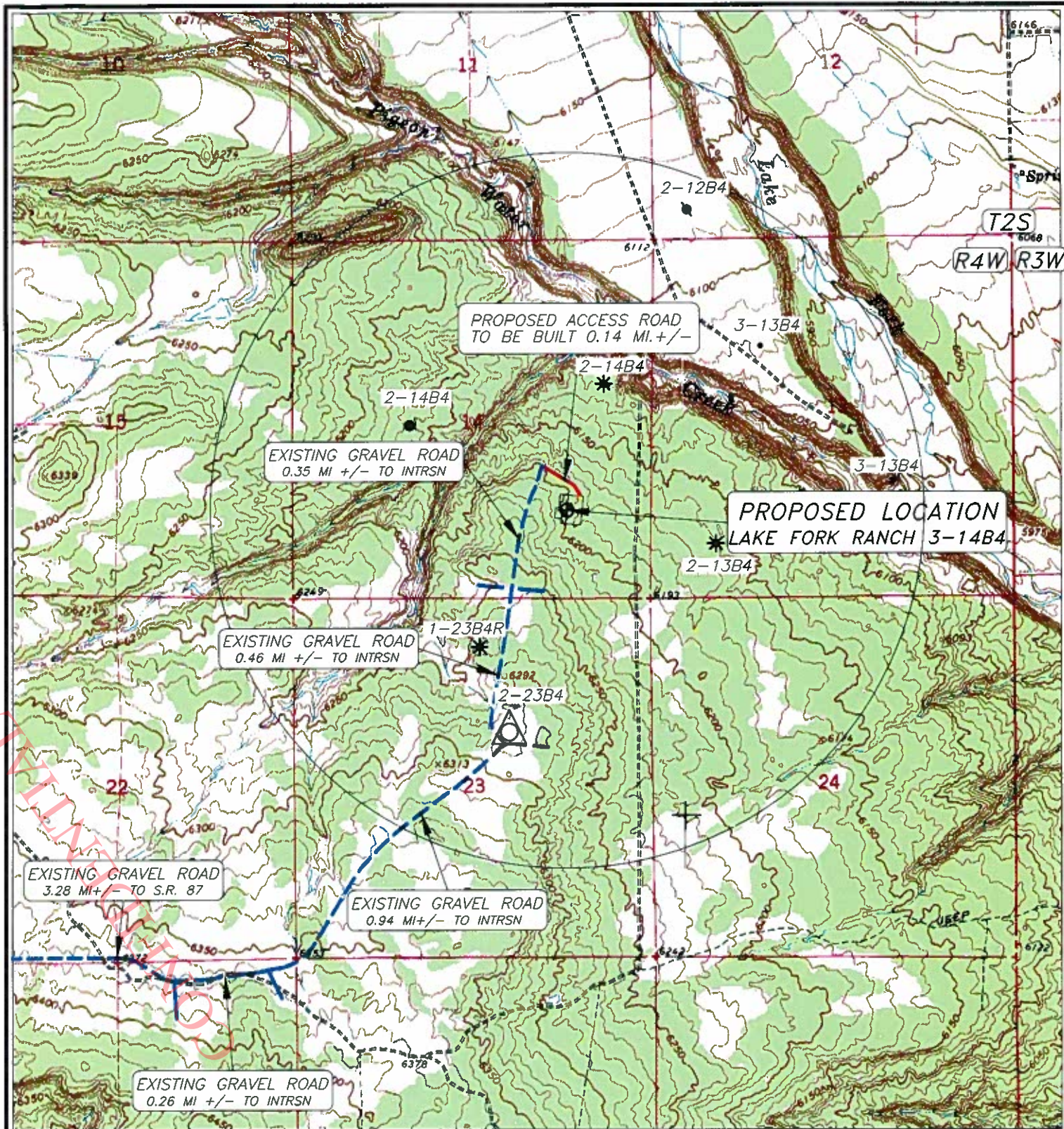
**EL PASO E & P COMPANY, L.P.**

LAKE FORK RANCH 3-14B4  
SECTION 14, T2S, R4W, U.S.B.&M.  
1321' FSL 1246' FEL

**TOPOGRAPHIC MAP "B"**

SCALE: 1"=2000'  
15 JUN 2009





## LEGEND:

◆ PROPOSED WELL LOCATION

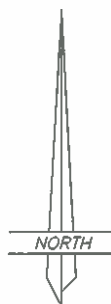


OTHER WELLS AS LOCATED FROM  
SUPPLIED MAP

01-128-085

**JERRY D. ALLRED & ASSOCIATES**  
SURVEYING CONSULTANTS

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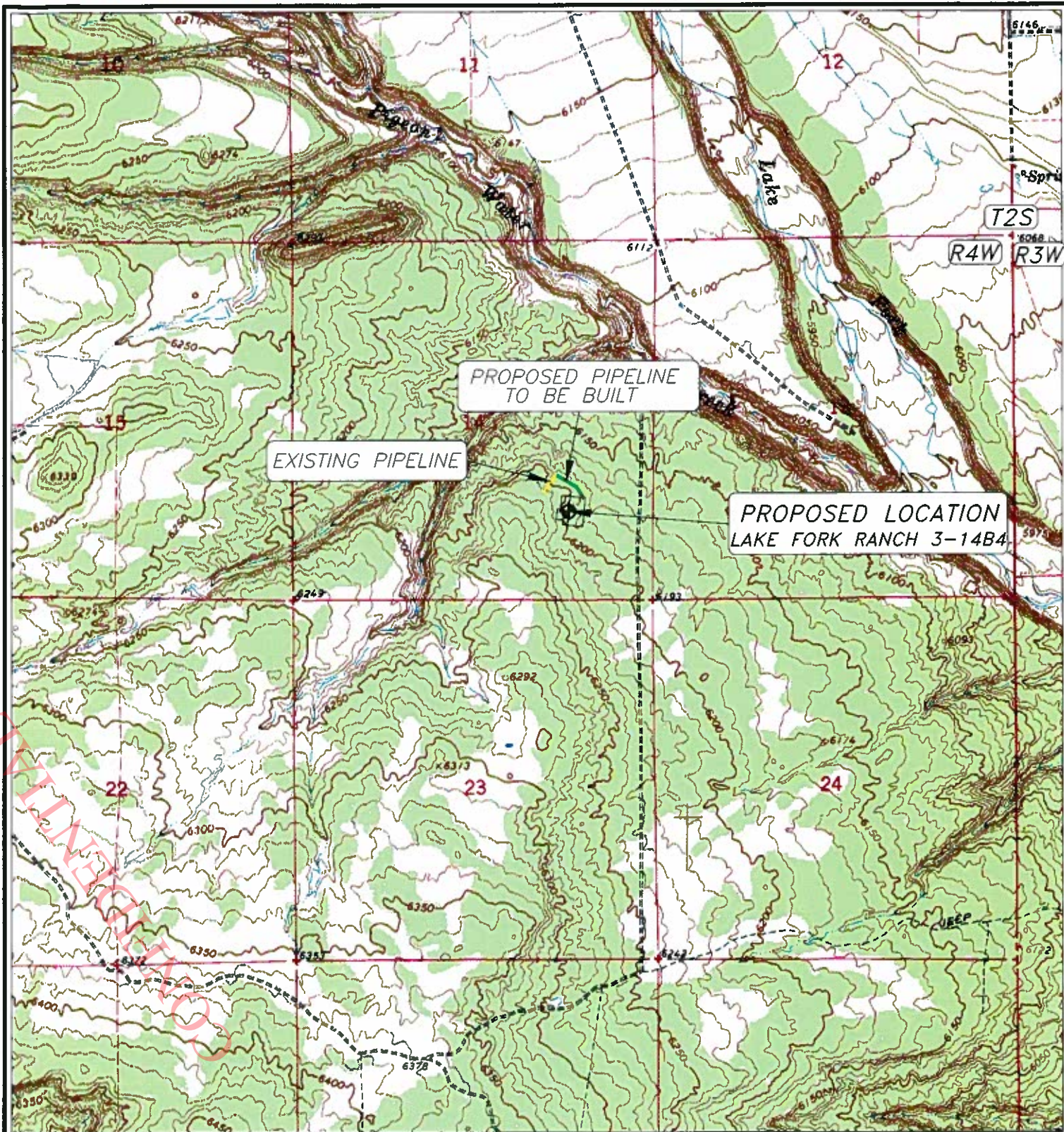
**EL PASO E & P COMPANY, L.P.**

LAKE FORK RANCH 3-14B4  
SECTION 14, T2S, R4W, U.S.B.&M.  
1321' FSL 1246' FEL




**TOPOGRAPHIC MAP "C"**

SCALE: 1"=2000'  
15 JUN 2009





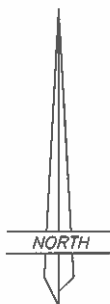
## LEGEND:

-  PROPOSED WELL LOCATION
-  PROPOSED PIPELINE
-  EXISTING PIPELINE

01-128-085

**JERRY D. ALLRED & ASSOCIATES**  
SURVEYING CONSULTANTS

1235 NORTH 700 EAST--P.O. BOX 975  
DUCHESTER, UTAH 84021  
(435) 738-5352



**EL PASO E & P COMPANY, L.P.**

LAKE FORK RANCH 3-14B4  
SECTION 14, T2S, R4W, U.S.B.&M.  
1321' FSL 1246' FEL

**TOPOGRAPHIC MAP "D"**

SCALE: 1"=2000'  
15 JUN 2009



LOCATION USE AREA AND  
ACCESS ROAD, POWERLINE, AND PIPELINE  
CORRIDOR RIGHT-OF-WAY SURVEY FOR  
**ELPASO E&P COMPANY, L.P.**  
**LAKE FORK RANCH 3-14B4**  
SE¼SE¼ OF SECTION 14, T2S, R4W, U.S.B.&M.  
DUCHESNE COUNTY, UTAH

USE AREA DESCRIPTION

Commencing at the Southeast Corner of Section 14, Township 2 South, Range 4 West of the Uintah Special Base and Meridian;

Thence North 43°11'56" West 1466.63 feet to the TRUE POINT OF BEGINNING;

Thence North 84°32'38" West 472.00 feet;

Thence North 05°27'22" East 475.00 feet;

Thence South 84°32'38" East 472.00 feet;

Thence South 05°27'22" West 475.00 feet to the TRUE POINT OF BEGINNING, containing 5.15 acres.

ACCESS ROAD, POWER LINE, AND PIPELINE CORRIDOR RIGHT-OF-WAY DESCRIPTION

A 66 feet wide access road, power line, and pipeline right-of-way over portions of Section 14, Township 2 South, Range 4 West of the Uintah Special Base and Meridian, the centerline of said right-of-way being further described as follows;

Commencing at the Southeast Corner of said Section 14;

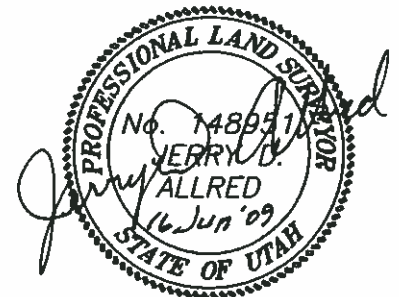
Thence North 34°11'36" West 1875.22 feet to the TRUE POINT OF BEGINNING, said point being on the North line of the Elpaso E&P, Co. Lake Fork Ranch 3-14B4 well location use boundary;

Thence North 31°51'51" West 142.22 feet;

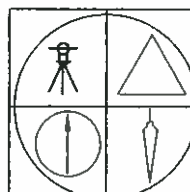
Thence North 59°30'58" West 541.25 feet to the East line of an existing road. Said right-of-way being 683.47 feet in length with the sidelines being shortened or elongated to intersect said use boundary at said East lines.

SURVEYOR'S CERTIFICATE

This is to certify that this plat was prepared from the field notes and electronic data collector files of an actual survey made by me, or under my personal supervision, of the use area and access road, powerline, and pipeline corridor right-of-way shown hereon, and that the monuments indicated were found or set during said survey, and that this plat accurately represents said survey to the best of my knowledge.



Jerry D. Allred, Professional Land Surveyor,  
Certificate 148951 (Utah)



**JERRY D. ALLRED AND ASSOCIATES**  
SURVEYING CONSULTANTS

1235 NORTH 700 EAST--P.O. BOX 975  
DUCHESNE, UTAH 84021  
(435) 738-5352

15 JUN 2009 01-128-085

**EL PASO E & P COMPANY, L.P.**  
 SURFACE USE AREA  
 LAKE FORK RANCH 3-14B4  
 5.15 ACRES

PROPOSED 66' WIDE  
 ACCESS ROAD, POWERLINE  
 AND PIPELINE CORRIDOR  
 RIGHT-OF-WAY

**LAKE FORK RANCH PROPERTY**

LINE	BEARING	DISTANCE
L1	N 84°32'38" W	472.00'
L2	N 05°27'22" E	475.00'
L3	S 84°32'38" E	472.00'
L4	S 05°27'22" W	475.00'
L5	N 31°51'51" W	142.22'
L6	N 59°30'58" W	541.25'

SE1/4  
 SE1/4

FOUND COUNTY  
 MONUMENT

S 89°48'59" W 2641.37'

SEC 14 SEC 13  
 SEC 23 SEC 24

FOUND COUNTY  
 MONUMENT

NORTH

SCALE: 1"=400'



THIS SURVEY WAS PERFORMED USING GLOBAL  
 POSITIONING SYSTEM PROCEDURES AND EQUIPMENT

THE BASIS OF GRID BEARINGS IS GEODETIC NORTH  
 DERIVED FROM G.P.S. OBSERVATIONS AT THE NORTHWEST  
 CORNER OF SECTION 22, T2S, R4W, U.S.B.&M.  
 USING THE UTAH STATE G.P.S. VIRTUAL REFERENCE  
 STATION CONTROL NETWORK MAINTAINED AND OPERATED  
 BY THE AUTOMATED GEOGRAPHIC REFERENCE CENTER

**EL PASO E&P COMPANY, L.P.**

**Related Surface Information**

1. **Current Surface Use:**
  - Livestock Grazing and Oil and Gas Production.
2. **Proposed Surface Disturbance:**
  - The road will be crown and ditch. Water wings will be constructed on the access road as needed.
  - The topsoil will be windrowed and re-spread in the borrow area.
  - New road to be constructed will be approximately .14 miles in length and 66 feet wide.
  - All equipment and vehicles will be confined to the access road, pad and area specified in the APD.
3. **Location Of Existing Wells:**
  - Existing oil, gas wells within one (1) mile radius of proposed well are provided in EXHIBIT C.
  - There are no salt water disposal wells within a one mile radius of this location.
4. **Location And Type Of Drilling Water Supply:**
  - Drilling water will come from Upper Country Water - Altamont.
5. **Existing/Proposed Facilities For Productive Well:**
  - There are no existing facilities that will be utilized for this well.
  - A pipeline corridor .14 miles will parallel the proposed access road. The corridor will contain one 4 inch gas line and one 2 inch gas line and one 2 inch Salt Water disposal line. Rehabilitation of unneeded, previously disturbed areas will consist of backfilling and contouring the reserve pit area; backsloping and contouring all cut and fill slopes. These areas will be reseeded. Refer to plans for reclamation of surface for details.
  - Upgrade and maintain access roads and drainage control structures (e.g., culverts, drainage dips, ditching, etc.) as necessary to prevent soil erosion and accommodate safe, year-round traffic.
6. **Construction Materials:**
  - Native soil from road and location will be used for construction materials along with gravel and/or scoria road base material. In the event that conditions should necessitate graveling of all or part of the access road and location, surfacing materials will be purchased from commercial suppliers in the marketing area.
7. **Methods For Handling Waste Disposal:**
  - The reserve pit will be designed to prevent the collection of surface runoff and will be constructed with a minimum of ½ the total depth below the original ground surface on the lowest point with the pit. The pit will be lined with a 20-mil polyethylene to prevent leakage of fluids. The liner will be rolled into place and secured at the ends, i.e. buried on top of the pit berms. Prior to use, the reserve pit will be fenced on three sides; the fourth side will be fenced at the time the rig is removed. Drilling fluids, cuttings and produced water will be contained in the reserve pit (trash will be place in the trash cage). Fluids in the reserve pit will be allowed to evaporate prior to pit burial.
  - Garbage and other trash will be contained in the portable trash cage and hauled off the location to an authorized disposal site. Any trash on the pad will be cleaned up prior to the rig moving off location and hauled to an authorized disposal site.
  - Sewage will be handled in Portable Toilets.
  - Produced water will be placed in the reserve pit for a period not to exceed ninety days after initial production. Any hydrocarbons produced during completion work will be contained in test tanks and removed from the location at a later date.
  - Water from the reserve pit may be used for drilling of additional wells. The water will be trucked along access roads as approved in pertinent APD's
8. **Ancillary Facilities:**
  - There will be no ancillary facilities associated with this project.

9. **Surface Reclamation Plans:**

Backfilling of the pits will be done when dry. In the event of a dry hole, the location will be re-contoured, the topsoil will be distributed evenly over the entire location, and the seedbed prepared.

- Seed will be planted after September 15<sup>th</sup>, and prior to ground frost, or seed will be planted after the frost has left and before May 15<sup>th</sup>. Slopes to steep for machinery will be hand broadcast and raked with twice the specified amount of seed.
  1. The construction program and design are on the attached cut, fill and cross sectional diagrams.
  2. Prior to construction, all topsoil will be removed from the entire site and stockpiled. Topsoil for this site is the first 6 inches of soil materials.
  3. After the location has been reshaped and after redistributing the topsoil, the operator will rip and scarify the drilling platform and access road on the contour, to a depth of at least 12 inches.
- Rehabilitation will begin upon the completion of the drilling. Complete rehabilitation will depend on weather conditions and the amount of time required to dry the reserve pit.
  1. All rehabilitation work including seeding will be completed as soon as weather and the reserve pit conditions are appropriate.
  2. Landowner will be contacted for rehabilitation requirements.

10. **Surface Ownership:**

Included is the Surface Affidavit of Facts

Lake Fork Ranches, Inc c/o Brent and Donna Brotherson  
HC65  
Box 510048  
Mountain Home, UT 84051-9801  
435.454.3546

11. **Other Information:**

- The surface soil consists of clay, and silt.
- Flora – vegetation consists of the following: Sagebrush, Juniper and prairie grasses.
- Fauna – antelope, deer, coyotes, raptors, small mammals, and domestic grazing animals.
- Current surface uses – Livestock grazing and mineral exploration and production.

• **Operator and Contact Persons:**

**Construction and Reclamation:**

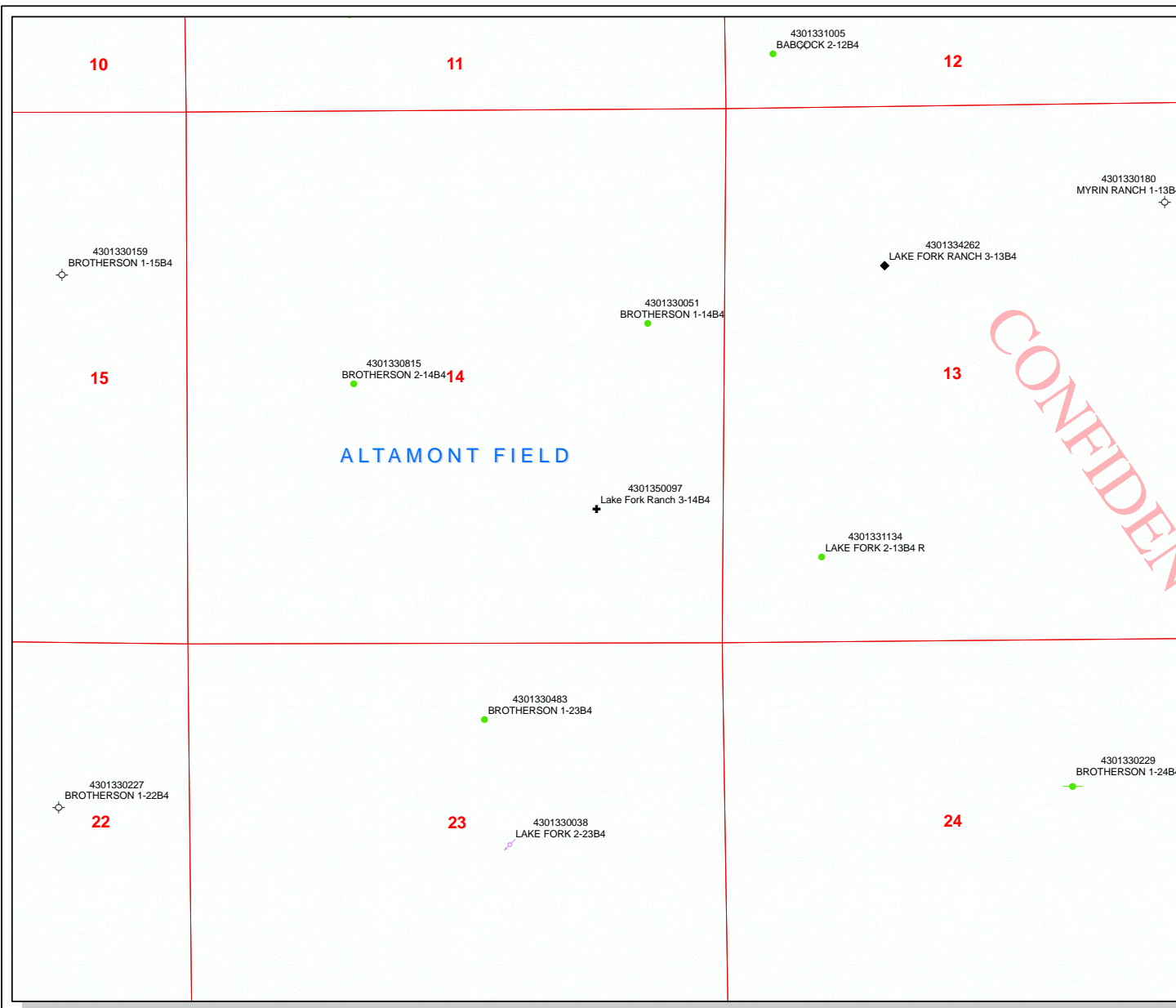
El Paso E & P Company  
Wayne Garner  
PO Box 410  
Altamont, Utah 84001  
435-454-3394 – Office  
435-823-1490 – Cell

**Regarding This APD**

El Paso E & P Company  
Marie OKeefe  
1099 18<sup>th</sup> St. Ste. 1900  
Denver, CO. 80202  
303.291.6417 - Office

**Drilling**

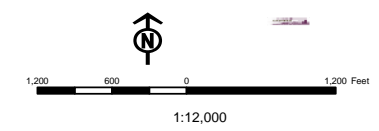
El Paso E & P Company  
Eric Giles – Drilling Manager  
1099 18<sup>th</sup> St Ste 1900  
Denver, CO 80202  
303.291.6446 – office  
303.945.5440 - Cell



**API Number: 4301350097**  
**Well Name: Lake Fork Ranch 3-14B4**  
**Township 02.0 S Range 04.0 W Section 14**  
**Meridian: UBM**  
 Operator: EL PASO E&P COMPANY, LP

Map Prepared:  
 Map Produced by Diana Mason

<b>Units</b>	<b>Wells Query Events</b>
<b>STATUS</b>	<all other values>
ACTIVE	GIS_STAT_TYPE
EXPLORATORY	<Null>
GAS STORAGE	APD
NF PP OIL	DRL
NF SECONDARY	GI
PI OIL	GS
PP GAS	LA
PP GEOTHERML	NEW
PP OIL	OPS
SECONDARY	PA
TERMINATED	PGW
<b>Fields</b>	POW
<b>STATUS</b>	RET
ACTIVE	SGW
COMBINED	SOW
Sections	TA
	TW
	WD
	WI
	WS





Well Name	EL PASO E&P COMPANY, LP Lake Fork Ranch 3-14B4 43013500970000			
String	Cond	Surf	I1	Prod
Casing Size(in)	13.375	9.625	7.000	4.500
Setting Depth (TVD)	600	6561	10751	13500
Previous Shoe Setting Depth (TVD)	0	600	6561	10751
Max Mud Weight (ppg)	8.9	8.9	10.0	14.0
BOPE Proposed (psi)	500	1500	5000	10000
Casing Internal Yield (psi)	2730	5750	9950	12410
Operators Max Anticipated Pressure (psi)	9819			14.0

Calculations	Cond String	13.375	"
Max BHP (psi)	.052*Setting Depth*MW=	278	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	206	YES OK
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	146	YES
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	146	NO OK
Required Casing/BOPE Test Pressure=		600	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

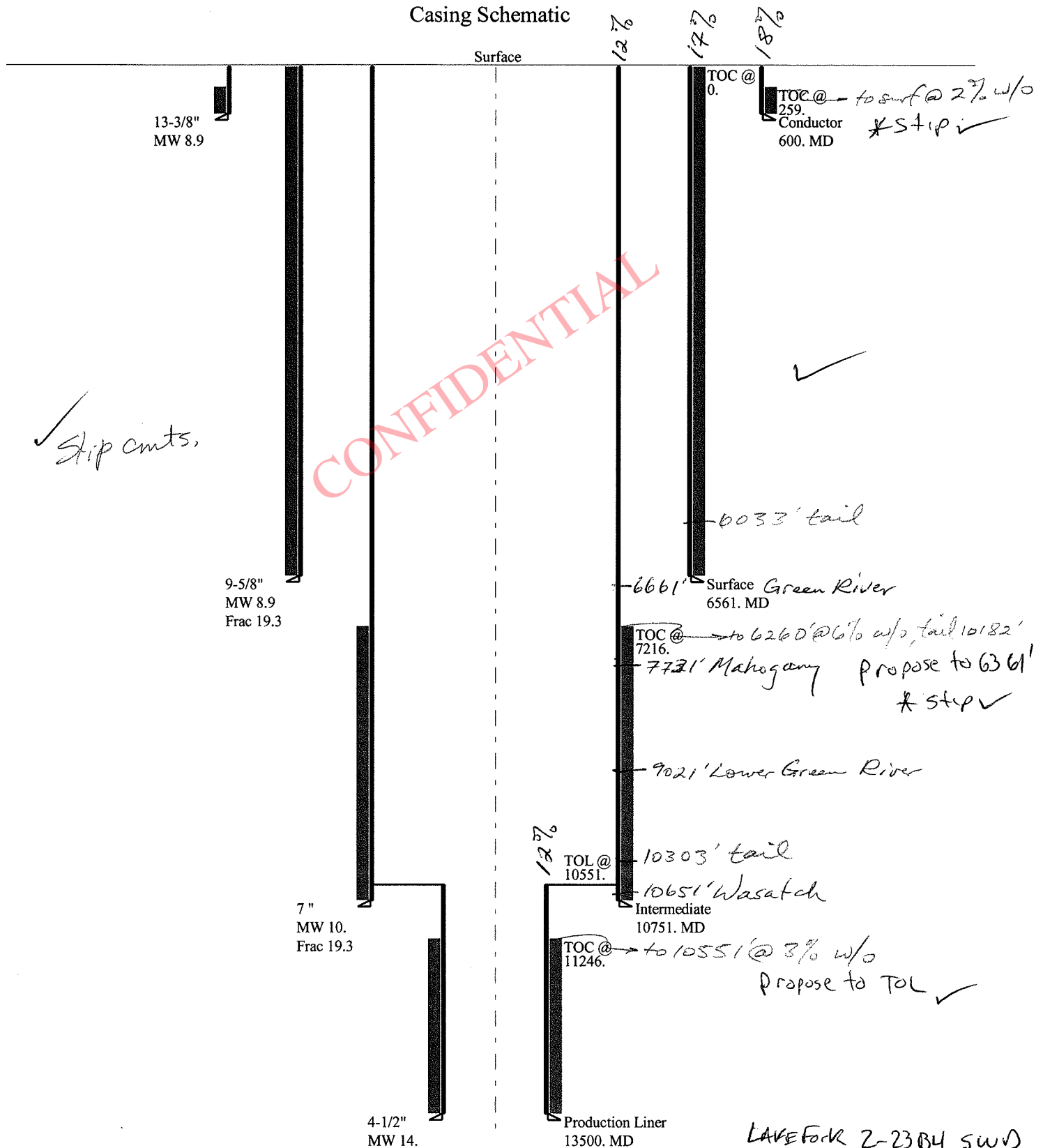
Calculations	Surf String	9.625	"
Max BHP (psi)	.052*Setting Depth*MW=	3036	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	2249	NO Reasonable depth in area
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1593	NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1725	NO
Required Casing/BOPE Test Pressure=		4025	psi
*Max Pressure Allowed @ Previous Casing Shoe=		600	psi *Assumes 1psi/ft frac gradient

Calculations	I1 String	7.000	"
Max BHP (psi)	.052*Setting Depth*MW=	5591	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	4301	YES
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	3226	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	4669	YES OK
Required Casing/BOPE Test Pressure=		6965	psi
*Max Pressure Allowed @ Previous Casing Shoe=		5750	psi *Assumes 1psi/ft frac gradient

Calculations	Prod String	4.500	"
Max BHP (psi)	.052*Setting Depth*MW=	9828	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	8208	YES
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	6858	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	9223	YES OK
Required Casing/BOPE Test Pressure=		8687	psi
*Max Pressure Allowed @ Previous Casing Shoe=		9950	psi *Assumes 1psi/ft frac gradient

# 43013500970000 Lake Fork Ranch 3-14B4

## Casing Schematic



LAKE FORK 2-23B4 SWD  
± 1 mile away  
✓ Injector Zone 7263'-9276'  
O.K.

Well name:	<b>43013500970000 Lake Fork Ranch 3-14B4</b>	
Operator:	<b>EL PASO E&amp;P COMPANY, LP</b>	
String type:	Conductor	Project ID: 43-013-50097
Location:	DUCHESNE COUNTY	

**Design parameters:**

**Collapse**

Mud weight: 8.900 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 82 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft

Cement top: 259 ft

**Burst**

Max anticipated surface pressure: 205 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 277 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.70 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

**Non-directional string.**

Tension is based on air weight.  
Neutral point: 521 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	600	13.375	54.50	J-55	ST&C	600	600	12.49	7444
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	277	1130	4.074	277	2730	9.84	32.7	514	15.72 J

Prepared by: Helen Sadik-Macdonald  
Div of Oil,Gas & Mining

Phone: 801 538-5357  
FAX: 801-359-3940

Date: August 18,2009  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 600 ft, a mud weight of 8.9 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.



Well name:	<b>43013500970000 Lake Fork Ranch 3-14B4</b>	
Operator:	<b>EL PASO E&amp;P COMPANY, LP</b>	
String type:	Surface	Project ID: 43-013-50097
Location:	DUCHESNE COUNTY	

**Design parameters:**

**Collapse**

Mud weight: 8.900 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 166 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft

Cement top: Surface

**Burst**

Max anticipated surface pressure: 3,220 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 4,663 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.70 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on air weight.  
Neutral point: 5,692 ft

**Non-directional string.**

**Re subsequent strings:**

Next setting depth: 10,751 ft  
Next mud weight: 10.000 ppg  
Next setting BHP: 5,585 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 6,561 ft  
Injection pressure: 6,561 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	6561	9.625	40.00	HCN-80	LT&C	6561	6561	8.75	84310
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	3033	4230	1.394	4663	5750	1.23	262.4	837	3.19 J

Prepared Helen Sadik-Macdonald  
by: Div of Oil, Gas & Mining

Phone: 801 538-5357  
FAX: 801-359-3940

Date: August 18, 2009  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 6561 ft, a mud weight of 8.9 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	<b>43013500970000 Lake Fork Ranch 3-14B4</b>		
Operator:	<b>EL PASO E&amp;P COMPANY, LP</b>		
String type:	Intermediate	Project ID:	43-013-50097
Location:	DUCHESNE COUNTY		

**Design parameters:**

**Collapse**

Mud weight: 10.000 ppg  
Internal fluid density: 1.000 ppg

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 225 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft

**Burst:**

Design factor 1.00

Cement top: 7,216 ft

**Burst**

Max anticipated surface pressure: 8,198 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 9,488 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.70 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on air weight.  
Neutral point: 9,129 ft

**Non-directional string.**

**Re subsequent strings:**

Next setting depth: 13,500 ft  
Next mud weight: 14.000 ppg  
Next setting BHP: 9,818 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 10,751 ft  
Injection pressure: 10,751 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	10751	7	26.00	P-110	LT&C	10751	10751	6.151	111757

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	5026	6230	1.239	9488	9950	1.05	279.5	693	2.48 J

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & Mining

Phone: 801 538-5357  
FAX: 801-359-3940

Date: August 18, 2009  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 10751 ft, a mud weight of 10 ppg. An internal gradient of .052 psi/ft was used for collapse from TD. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	<b>43013500970000 Lake Fork Ranch 3-14B4</b>	
Operator:	<b>EL PASO E&amp;P COMPANY, LP</b>	
String type:	Production Liner	Project ID: 43-013-50097
Location:	DUCHESNE COUNTY	

**Design parameters:**

**Collapse**

Mud weight: 14.000 ppg  
Internal fluid density: 1.000 ppg

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 263 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,000 ft

**Burst:**

Design factor 1.00

Cement top: 11,246 ft

**Burst**

Max anticipated surface pressure: 6,848 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 9,818 psi

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.60 (B)

Liner top: 10,551 ft

**Non-directional string.**

No backup mud specified.

Tension is based on air weight.

Neutral point: 12,901 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	2900	4.5	13.50	P-110	LT&C	13500	13500	3.795	16250

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	9117	10680	1.171	9818	12410	1.26	39.2	338	8.63 J

Prepared Helen Sadik-Macdonald  
by: Div of Oil,Gas & Mining

Phone: 801 538-5357  
FAX: 801-359-3940

Date: August 18,2009  
Salt Lake City, Utah

**Remarks:**

For this liner string, the top is rounded to the nearest 100 ft.Collapse is based on a vertical depth of 13500 ft, a mud weight of 14 ppg An Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

# **ON-SITE PREDRILL EVALUATION**

## **Utah Division of Oil, Gas and Mining**

<b>Operator</b>	EL PASO E&P COMPANY, LP						
<b>Well Name</b>	Lake Fork Ranch 3-14B4						
<b>API Number</b>	43013500970000	<b>APD No</b>	1834	<b>Field/Unit</b>	ALTAMONT		
<b>Location: 1/4,1/4</b>	SESE	<b>Sec</b>	14	<b>Tw</b>	2.0S	<b>Rng</b>	4.0W 1321 FSL 1246 FEL
<b>GPS Coord (UTM)</b>	559673	4461574	<b>Surface Owner</b>	Lake Fork Ranches, Inc			

### **Participants**

Floyd Bartlett (DOGM), Wayne Garner (Construction Supervisor, Elpaso), John Whitesides, Nathan Simper, and Ryan Fairbanks (Land Professionals, INC-Permitting Agent).

### **Regional/Local Setting & Topography**

The proposed Brotherson 3-14B4 oil well is in the Lake Fork drainage approximately 4 air miles south of Altamont, Utah. Access from Duchesne, Utah is following a State of Utah highway, Duchesne County roads and existing oilfield development roads for a distance of approximately 14.62 miles. A new road 0.14 miles in length will be constructed to the location. Topography in the general area is broad benches used for agriculture or grazing. Some benches have also been chained or sagebrush removed to improve forage for cattle. Edges of the benches are often dissected with steep deep draws.

The well location is on broken terrain dominated by one large and other smaller swales. The terrain slopes both from the south and from the west. An overhead power transmission line restricts moving the pad to the west. A portion of the reserve pit and the 15' outer bench will be under the power-line. A diversion ditch is needed along the south and continuing to the east side around Location Corner 2 that will be rounded. A berm may be needed along the west side of the location when the pit is closed. No seeps, springs or surface water was noted in the immediate area. With these modifications, the site appears to be a suitable location for constructing a pad, drilling and operating a well.

Lake Fork Ranch Inc. owns the surface and the minerals are also FEE.

### **Surface Use Plan**

#### **Current Surface Use**

Wildlife Habitat

Deer Winter Range

#### **New Road Miles**

0.14

#### **Well Pad**

**Width** 412 **Length** 425

#### **Src Const Material**

Onsite

#### **Surface Formation**

UNTA

**Ancillary Facilities** N

### **Waste Management Plan Adequate?**

### **Environmental Parameters**

**Affected Floodplains and/or Wetlands** N

#### **Flora / Fauna**

Pinion juniper site with Indian ricegrass, big sagebrush, slender wheatgrass and spring annuals

Cattle, deer, elk, coyote and other small mammals and birds.

**Soil Type and Characteristics**

Shallow gravely sandy loam with exposed sandstone bedrock

**Erosion Issues Y**

The well location is on broken terrain dominated by one large and other smaller swales.

**Sedimentation Issues N**

**Site Stability Issues N**

**Drainage Diversion Required? Y**

A diversion ditch is needed along the south and continuing to the east side around Location Corner 2 that will be rounded.

**Berm Required? Y**

A berm may be needed along the west side of the location when the pit is closed.

**Erosion Sedimentation Control Required? N**

**Paleo Survey Run? N Paleo Potential Observed? N Cultural Survey Run? N Cultural Resources?**

**Reserve Pit**

**Site-Specific Factors**

**Site Ranking**

<b>Distance to Groundwater (feet)</b>	100 to 200	5
<b>Distance to Surface Water (feet)</b>	>1000	0
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0
<b>Distance to Other Wells (feet)</b>	>1320	0
<b>Native Soil Type</b>	Mod permeability	10
<b>Fluid Type</b>	Fresh Water	5
<b>Drill Cuttings</b>	Normal Rock	0
<b>Annual Precipitation (inches)</b>		0
<b>Affected Populations</b>		
<b>Presence Nearby Utility Conduits</b>	Not Present	0
<b>Final Score</b>	20	1 Sensitivity Level

**Characteristics / Requirements**

The reserve pit is planned on the southwest corner of the location in an area of cut. Dimensions are 100' x 150' x 10 feet deep. A 15-foot bench is planned. Sensitivity Level is 1. A liner is required. Wayne Garner of ElPaso said they commonly use a 16- mil liner.

**Closed Loop Mud Required? N Liner Required? Y Liner Thickness 16 Pit Underlayment Required? Y**

**Other Observations / Comments**

Floyd Bartlett  
Evaluator

8/12/2009  
Date / Time

# Application for Permit to Drill

## Statement of Basis

8/31/2009

### Utah Division of Oil, Gas and Mining

Page 1

<b>APD No</b>	<b>API WellNo</b>	<b>Status</b>	<b>Well Type</b>	<b>Surf Owner</b>	<b>CBM</b>
1834	43013500970000	LOCKED	OW	P	No
<b>Operator</b>	EL PASO E&P COMPANY, LP		<b>Surface Owner-APD</b>	Lake Fork Ranches, Inc	
<b>Well Name</b>	Lake Fork Ranch 3-14B4		<b>Unit</b>		
<b>Field</b>	ALTAMONT		<b>Type of Work</b>	DRILL	
<b>Location</b>	SESE 14 2S 4W U 1321 FSL 1246 FEL GPS Coord (UTM) 559671E 4461530N				

#### Geologic Statement of Basis

El Paso proposes to set 600 feet of conductor and 6,561 feet of surface casing both of which will be cemented to surface. The surface and intermediate holes will be drilled utilizing fresh water mud. The estimated depth to the base of moderately saline ground water is 3,600 feet. A search of Division of Water Rights records indicates that there are 9 water wells within a 10,000 foot radius of the center of Section 14. These wells range in depth from 31 to 650 feet. Wells average around 300 feet in depth. Listed use is domestic, irrigation, industrial and stock watering. Most of the wells in this area probably produce water from the Duchesne River Formation. The proposed casing and cement program should adequately protect the highly used Duchesne River aquifer.

Brad Hill  
APD Evaluator

8/25/2009  
Date / Time

#### Surface Statement of Basis

The proposed Brotherson 3-14B4 oil well is in the Lake Fork drainage approximately 4 air miles south of Altamont, Utah. Access from Duchesne, Utah is following a State of Utah highway, Duchesne County roads and existing oilfield development roads for a distance of approximately 14.62 miles. A new road 0.14 miles in length will be constructed to the location. Topography in the general area is broad benches used for agriculture or grazing. Some benches have also been chained or sagebrush removed to improve forage for cattle. Edges of the benches are often dissected with steep deep draws.

The well location is on broken terrain dominated by one large and other smaller swales. The terrain slopes both from the south and from the west. An overhead power transmission line restricts moving the pad to the west. A portion of the reserve pit and the 15' outer bench will be under the power-line. A diversion ditch is needed along the south and continuing to the east side around Location Corner 2 that will be rounded. A berm may be needed along the west side of the location when the pit is closed. No seeps, springs or surface water was noted in the immediate area. With these modifications, the site appears to be a suitable location for constructing a pad, drilling and operating a well.

Lake Fork Ranch Inc. owns the surface and the minerals are also FEE. Mr. Brent Brotherson, of Lake Fork Ranches, was contacted by telephone and invited to the pre-site evaluation. He said he did not see a need to and probably would not attend, as had no concerns not already covered in the Land Owner Agreement.

Floyd Bartlett  
Onsite Evaluator

8/12/2009  
Date / Time

#### Conditions of Approval / Application for Permit to Drill

<b>Category</b>	<b>Condition</b>
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

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# **Application for Permit to Drill Statement of Basis**

8/31/2009

**Utah Division of Oil, Gas and Mining**

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Page 2

CONFIDENTIAL

# WORKSHEET

## APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 7/29/2009

**API NO. ASSIGNED:** 43013500970000

**WELL NAME:** Lake Fork Ranch 3-14B4

**OPERATOR:** EL PASO E&P COMPANY, LP (N3065)

**PHONE NUMBER:** 303 291-6417

**CONTACT:** Marie Okeefe

**PROPOSED LOCATION:** SESE 14 020S 040W

**Permit Tech Review:** ☒

**SURFACE:** 1321 FSL 1246 FEL

**Engineering Review:** ☒

**BOTTOM:** 1321 FSL 1246 FEL

**Geology Review:** ☒

**COUNTY:** DUCHESNE

**LATITUDE:** 40.30405

**LONGITUDE:** -110.29784

**UTM SURF EASTINGS:** 559671.00

**NORTHINGS:** 4461530.00

**FIELD NAME:** ALTAMONT

**LEASE TYPE:** 4 - Fee

**LEASE NUMBER:** FEE

**PROPOSED PRODUCING FORMATION(S):** GREEN RIVER-WASATCH

**SURFACE OWNER:** 4 - Fee

**COALBED METHANE:** NO

### RECEIVED AND/OR REVIEWED:

- ☒ **PLAT**
- ☒ **Bond:** STATE/FEE - 400JU0708
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☒ **Water Permit:** 43-8362
- ☐ **RDCC Review:**
- ☒ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

**Commingle Approved**

### LOCATION AND SITING:

- ☐ **R649-2-3.**
- Unit:**
- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☒ **Drilling Unit**
- Board Cause No:** Cause 139-84
- Effective Date:** 12/31/2008
- Siting:** 660' fr drl u bdry and 1320' fr other wells
- ☐ **R649-3-11. Directional Drill**

**Comments:** Presite Completed

**Stipulations:**

- 5 - Statement of Basis - bhill
- 9 - Cement casing to Surface - ddoucet
- 12 - Cement Volume (3) - ddoucet
- 13 - Cement Volume Formation (3a) - ddoucet





JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

## State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

### Permit To Drill

\*\*\*\*\*

**Well Name:** Lake Fork Ranch 3-14B4

**API Well Number:** 43013500970000

**Lease Number:** FEE

**Surface Owner:** FEE (PRIVATE)

**Approval Date:** 9/1/2009

**Issued to:**

EL PASO E&P COMPANY, LP, 1099 18th ST, STE 1900 , Denver, CO 80202

**Authority:**

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-84. The expected producing formation or pool is the GREEN RIVER-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

**Duration:**

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

**General:**

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

**Conditions of Approval:**

The cement volumes for the 13 3/8" conductor casing shall be determined from actual hole conditions and the setting depth of the casing in order to place cement from the pipe setting depth back to the surface.

Cement volume for the 4 1/2" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 10551' MD as indicated in the submitted drilling plan.

Cement volume for the 7" intermediate string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 6361' MD as indicated in submitted drilling plan.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

**Additional Approvals:**

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan – contact Dustin Doucet
- Significant plug back of the well – contact Dustin Doucet
- Plug and abandonment of the well – contact Dustin Doucet

**Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels  
OR  
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <https://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program – contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well – contact Dan Jarvis

**Contact Information:**

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):


- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office  
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office  
801-942-0871 - after office hours

**Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

**Approved By:**



Gil Hunt  
Associate Director, Oil & Gas

**DIVISION OF OIL, GAS AND MINING**

**SPUDDING INFORMATION**

Name of Company: EL PASO E&P COMPANY, LP

Well Name: LAKE FORK RANCH 3-14B4

Api No: 43-013-50097 Lease Type: FEE

Section 14 Township 02S Range 04W County DUCHESNE

Drilling Contractor PETE MARTIN DRLG RIG # BUCKET

**SPUDDED:**

Date 01/05/2010

Time

How DRY

**Drilling will Commence:**

Reported by WAYNE GARNER

Telephone # (435) 823-1490

Date 01/05/2010 Signed CHD

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

**ENTITY ACTION FORM**

Operator: El Paso E & P Company, LP Operator Account Number: N 3065  
Address: 1099 18th St. Ste 1900  
city Denver  
state CO zip 80202 Phone Number: (303) 291-6417

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301350097	Lake Fork Ranch 3-14B4		SESE	14	2S	4W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	17484	1/5/10		2/18/10		
Comments: <u>GR-WS</u> <div style="float: right; color: red; font-weight: bold; font-size: 1.2em;">CONFIDENTIAL</div>							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

RECEIVED  
FEB 01 2010

Marie OKeefe

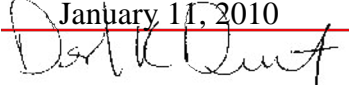
Name (Please Print)

*Marie OKeefe*  
Signature

Sr. Regulatory Analyst

Title

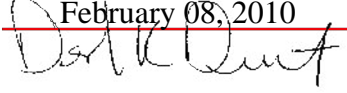
2/1/10  
Date

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> FEE			
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>			
		<b>7. UNIT or CA AGREEMENT NAME:</b>			
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> Lake Fork Ranch 3-14B4				
<b>2. NAME OF OPERATOR:</b> EL PASO E&P COMPANY, LP	<b>9. API NUMBER:</b> 43013500970000				
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th ST, STE 1900 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 303 291-6417 Ext	<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT			
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1321 FSL 1246 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESE Section: 14 Township: 02.0S Range: 04.0W Meridian: U		<b>COUNTY:</b> DUCHESNE			
		<b>STATE:</b> UTAH			
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>					
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>				
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 2/1/2009  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION            OTHER:         </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER:
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<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> EL PASO E & P REQUESTS APPROVAL TO SET CONDUCTOR CASING DEEPER THAN PERMITTED. THE CONDUCTOR CASING WAS PERMITTED AT 600' AND WE WOULD LIKE TO SET AT 1000'. WE HAD LOST RETURNS WHEN WE DRILLED OUT THE SHOE AT 610' ON THE BROTHERRSON 3-11B4. OFFSET ANALYSIS SHOWS NO RISK FOR SHALLOW WATERFLOWS IN THIS AREA OF THE FIELD. WE WILL CEMENT WITH 100% EXCESS OVER THE GAUGE HO					
		<b>Approved by the Utah Division of Oil, Gas and Mining</b>  <b>Date:</b> January 11, 2010 <b>By:</b> 			
<b>NAME (PLEASE PRINT)</b> Marie Okeefe	<b>PHONE NUMBER</b> 303 291-6417	<b>TITLE</b> Sr Regulatory Analyst			
<b>SIGNATURE</b> N/A	<b>DATE</b> 12/31/2009				

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> FEE
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> EL PASO E&P COMPANY, LP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th ST, STE 1900, Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> Lake Fork Ranch 3-14B4
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1321 FSL 1246 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESE Section: 14 Township: 02.0S Range: 04.0W Meridian: U		<b>9. API NUMBER:</b> 43013500970000
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<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>  <input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 2/15/2010  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<b>TYPE OF ACTION</b>  <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE   <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS   <input type="checkbox"/> CHANGE WELL STATUS   <input type="checkbox"/> DEEPEN   <input type="checkbox"/> OPERATOR CHANGE   <input type="checkbox"/> PRODUCTION START OR RESUME   <input type="checkbox"/> REPERFORATE CURRENT FORMATION   <input type="checkbox"/> TUBING REPAIR   <input type="checkbox"/> WATER SHUTOFF   <input type="checkbox"/> WILDCAT WELL DETERMINATION         </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING   <input type="checkbox"/> CHANGE TUBING   <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS   <input type="checkbox"/> FRACTURE TREAT   <input type="checkbox"/> PLUG AND ABANDON   <input type="checkbox"/> RECLAMATION OF WELL SITE   <input type="checkbox"/> SIDETRACK TO REPAIR WELL   <input type="checkbox"/> VENT OR FLARE   <input type="checkbox"/> SI TA STATUS EXTENSION   <input checked="" type="checkbox"/> OTHER         </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR   <input type="checkbox"/> CHANGE WELL NAME   <input type="checkbox"/> CONVERT WELL TYPE   <input type="checkbox"/> NEW CONSTRUCTION   <input type="checkbox"/> PLUG BACK   <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION   <input type="checkbox"/> TEMPORARY ABANDON   <input type="checkbox"/> WATER DISPOSAL   <input type="checkbox"/> APD EXTENSION           OTHER: change 9-5/8       </div> </div>	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> We will move 9-5/8" casing point to 4200' to set above most probable depth of waterflows and below base of moderate salt saline ground water (~3531'). Based on water injection pressures in offset injection wells, there could be a flow somewhere between 4,280' and 5,911'. The closest offset injector is the 2-23B4, located ~1/2 miles S which is on fracture trend. The 2-23B4 is currently injecting 3,500 bbls/day @ 425 psi from 4,200 - 5,831' which is equivalent to 10.5 ppg at a depth of 4,280 - 5,911' in the 3-14B4. We will have 500 bbls of 13.5 ppg mud in our pre mix tank which can be weighted up further if needed. If a water flow is encountered, get shut in pressure and flowrate (catch a sample if possible). Circulate around kill weight mud to suppress flows. When getting shut in pressure we will not exceed a 0.8 psi/ft gradient at the casing shoe (220psi with water in the hole). New cementing volumes are as follows Mix & pump cement per cementing recommendation. 13-3/8" x 9-5/8" annulus 1010' * 0.0646 bpf = 65.2 bbls 12-1/4" x 9-5/8" OH Lead with 100% excess, this will change based on actual TD 3,700' (TD-500') -1010 * 0.0558 bpf *2 (100% excess) = 300.2 bbls 365.4 bbls lead (11 ppg cement 3.93 yield) = 522 sxs lead 12-1/4" x 9-5/8" OH tail with 100% excess 500' * 0.0558 bpf *2 (100% excess) = 55.8 bbls Shoe joint (tail cmt) =45' x 0.0758 bpf = 3.4 bbls 59.2 bbls tail (14.2 ppg 1.59 yield) = 209 sxs tail		
<b>NAME (PLEASE PRINT)</b> Marie Okeefe		<b>PHONE NUMBER</b> 303 291-6417
<b>SIGNATURE</b> N/A		<b>TITLE</b> Sr Regulatory Analyst  <b>DATE</b> 2/4/2010

Approved by the  
 Utah Division of  
 Oil, Gas and Mining

Date: February 08, 2010

By: 



**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Sundry Conditions of Approval Well Number 43013500970000**

**Quantity of cement for the 9 5/8" casing should be based on actual hole size and cemented back to surface as indicated in the proposal.**

**Quantity of cement for the 7" casing should be based on actual hole size and cemented back inside the 9 5/8" shoe (~4000' MD).**

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

**Date:** February 08, 2010

**By:**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> FEE
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> EL PASO E&P COMPANY, LP		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1099 18th ST, STE 1900 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> Lake Fork Ranch 3-14B4
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1321 FSL 1246 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESE Section: 14 Township: 02.0S Range: 04.0W Meridian: U		<b>9. API NUMBER:</b> 43013500970000
<b>PHONE NUMBER:</b> 303 291-6417 Ext		<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> <b>ACIDIZE</b>	
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> <b>ALTER CASING</b>	
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> <b>CASING REPAIR</b>	
<input checked="" type="checkbox"/> <b>DRILLING REPORT</b> Report Date: 3/29/2010	<input type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b>	
	<input type="checkbox"/> <b>CHANGE TUBING</b>	
	<input type="checkbox"/> <b>CHANGE WELL STATUS</b>	
	<input type="checkbox"/> <b>COMMINGLE PRODUCING FORMATIONS</b>	
	<input type="checkbox"/> <b>DEEPEN</b>	
	<input type="checkbox"/> <b>FRACTURE TREAT</b>	
	<input type="checkbox"/> <b>OPERATOR CHANGE</b>	
	<input type="checkbox"/> <b>PLUG AND ABANDON</b>	
	<input type="checkbox"/> <b>PRODUCTION START OR RESUME</b>	
	<input type="checkbox"/> <b>RECLAMATION OF WELL SITE</b>	
	<input type="checkbox"/> <b>REPERFORATE CURRENT FORMATION</b>	
	<input type="checkbox"/> <b>SIDETRACK TO REPAIR WELL</b>	
	<input type="checkbox"/> <b>TUBING REPAIR</b>	
	<input type="checkbox"/> <b>VENT OR FLARE</b>	
	<input type="checkbox"/> <b>WATER SHUTOFF</b>	
	<input type="checkbox"/> <b>SI TA STATUS EXTENSION</b>	
	<input type="checkbox"/> <b>WILDCAT WELL DETERMINATION</b>	
	<input type="checkbox"/> <b>OTHER</b>	
	OTHER:	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> ATTACHED PLEASE FIND SUBSEQUENT DRILLING REPORT FOR SUBJECT WELL		
<b>Accepted by the</b> <b>Utah Division of</b> <b>Oil, Gas and Mining</b> <b>FOR RECORD ONLY</b> April 20, 2010		
<b>NAME (PLEASE PRINT)</b> Marie Okeefe	<b>PHONE NUMBER</b> 303 291-6417	<b>TITLE</b> Sr Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/15/2010	





# EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: LAKE FORK RANCH 3-14B4  
Common Well Name: LAKE FORK RANCH 3-14B4  
Event Name: DRILLING  
Contractor Name: PRECISION DRILLING  
Rig Name: PRECISION

Start: 11/12/2009  
Rig Release: 3/29/2010  
Rig Number: 406

Spud Date: 2/15/2010  
End: 3/29/2010  
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/18/2010	06:00 - 17:00	11.00	D	03		AIR HAMMER DRILL 17 1/2" HOLE FROM 40' TO 510' {NOTE WATER FLOW @ 270'}
	17:00 - 18:00	1.00	D	05		ACCUMULATED CONNECTION & SURVEY TIME
	18:00 - 20:30	2.50	D	04		AIR HAMMER DRILL 17 1/2" HOLE FROM 510' TO 630'
	20:30 - 21:30	1.00	DT	67		POOH TO CHECK PIPE TALLY
1/19/2010	21:30 - 06:00	8.50	D	03		AIR HAMMER DRILL 17 1/2" HOLE FROM 630' TO 840'
	06:00 - 11:30	5.50	D	03		AIR HAMMER DRILL FROM 840' TO 990'
	11:30 - 14:00	2.50	DT	60		REPAIR AIR BOWL {LEAKING FLUID AND FLOODING LOCATION}
	14:00 - 15:30	1.50	D	03		AIR HAMMER DRILL FROM 990' TO 1045' {TOTAL DEPTH FOR 13 3/8" CASING}
	15:30 - 17:00	1.50	D	08		CIRCULATE HOLE CLEAN
	17:00 - 20:00	3.00	D	04		POOH
	20:00 - 01:30	5.50	D	12		RUN WELDED SHOE, SHOE JOINT, FLOAT COLLAR, AND 22 JOINTS 54.5# J-55 STC 13 3/8" CASING. CENTRILIZED WITH STOP COLLARS FIRST 3 JOINTS THEREAFTER EVERY 3RD JOINT. TOTAL CASING = 1010' {RELEASED RIG 1/20/2010 @01:30}
	01:30 - 03:30	2.00	D	14		PRO PETRO PUMPED 130 BBLS H2O FOLLOWED BY 20 BBLS GEL MIX & PUMP 230.4 BBLS PREMIUM 15.8# CEMENT 1.15 YIELD 5 gal/sk WATER 1125sk. DROP PLUG AND DISPLACE WITH 149 BBLS H2O, LANDED PLUG, CHECK FLOAT {OK}
						59 BBLS GOOD CEMENT TO PIT
						CEMENT FELL BACK, MIX AND PUMP 26 BBLS 15.8# CEMENT DOWN BACKSIDE. GOOD CEMENT TO SURFACE
2/12/2010	03:30 - 06:00	2.50	D	01		MOVE RIG TO THE HORROCKS #4-20A1
	06:00 - 07:00	1.00	D	01		CONTINUE RIGGING DOWN
	07:00 - 07:15	0.25	D	01		PRE JOB SAFETY MEETING WITH WESTROC, MOUNTAIN WEST, AND CREWS
	07:15 - 00:00	16.75	D	01		MOVE CAMP TO NEW LOCATION. PREPARE DERRICK TO LOWER, LOWER DERRICK, RIG DOWN. MOVED ALL DRILL PIPE AND FRONT END TO NEW LOCATION.
2/13/2010	00:00 - 06:00	6.00	D	18		WAIT ON DAYLIGHT
	06:00 - 07:00	1.00	D	18		WAIT ON DAYLIGHT. SANDED LOCATION. THAWED DAY BEFORE RIG MOVE. LOCATION COVERED WITH ICE.
	07:00 - 07:15	0.25	D	01		PRE JOB SAFETY MEETING WITH WESTROC, MOBILE CRANE, PRECISION RIG CREWS, AND CONSULTANTS.
	07:15 - 19:00	11.75	D	01		RIG DOWN WITH TRUCKS AND MOVE. SET OUT RIG, LOAD OUT AND MOVE TO NEW LOCATION. LEVEL SUBSTRUCTURE, PUT DERRICK ON FLOOR, AND SET RIG IN.
2/14/2010						TRUCKS FINISHED @1900
	19:00 - 06:00	11.00	D	01		WAIT ON DAYLIGHT
	06:00 - 10:00	4.00	D	18		WAIT ON DAYLIGHT AND PRE SPUD AT PINN WILLIES WITH PRECISION RIG CREWS, ROD THOMPSONS, BAKER HUGHES MUD, DWIGHT FISHER, ALEX EARHARDT, BERNIE CASON, SAM TAYLOR, AND GARY MILLER.
	10:00 - 19:00	9.00	D	01		PREPARE DERRICK TO RAISE, RAISE DERRICK, RIG UP, SCOPE DOWN GAS BUSTER (3 FEET.) REFAH GAS BUSTER AND CONTINUE RIGGING UP.
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING
	19:15 - 22:00	2.75	D	01		REFAH GAS BUSTER LINES & PICKUP TOP DRIVE & INSTALL SERVICE LOOP
	22:00 - 02:00	4.00	D	01		WELD ON 13 5/8" X 13 3/8" 3000 PSI CASING BOWL {TEST 790 PSI}

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# EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: LAKE FORK RANCH 3-14B4

Common Well Name: LAKE FORK RANCH 3-14B4

Event Name: DRILLING

Start: 11/12/2009

Spud Date: 2/15/2010

Contractor Name: PRECISION DRILLING

Rig Release: 3/29/2010

End: 3/29/2010

Rig Name: PRECISION

Rig Number: 406

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/14/2010	02:00 - 06:00	4.00	D	15		NIPPLE UP 13 5/8" 3K DIVERTER, CHOKE LINES & KILL LINES WITH SMITH ROTATING HEAD.
2/15/2010	06:00 - 07:00	1.00	D	10		NIPPLE UP DIVERTER.
	07:00 - 07:15	0.25	D	15		PRE TOUR SAFETY MEETING
	07:15 - 18:00	10.75	D	15		NIPPLE UP DIVERTER, VALVES, MANIFOLD LINES, ROTATING HEAD. WELD IN FLOW LINE.
	18:00 - 19:00	1.00	D	09		PRESSURE TEST MANIFOLD VALVES LOW 250 PSI F/10 MINUTES & HIGH 5000 PSI F/10 MINUTES
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING
	19:15 - 20:15	1.00	D	09		PRESSURE TEST MANIFOLD VALVES LOW 250 PSI F/10 MINUTES & HIGH 5000 PSI F/10 MINUTES
	20:15 - 02:00	5.75	D	09		RIG UP TESTER. TEST ANNULAR, KILL LINE, HCR, MANIFOLD VALVES & LINES TO MANIFOLD LOW 250 PSI F/10 MINUTES & HIGH 500 PSI F/10 MINUTES. TEST CASING 250 PSI F/30 MINUTES
	02:00 - 04:00	2.00	D	04		PUT NEW BHA ON PIPE RACKS. STAP & CALIPER ID & OD.
	04:00 - 04:15	0.25	D	18		PRE JOB SAFETY MEETING {PICKING UP BHA}
	04:15 - 06:00	1.75	D	04		PICKUP AND RUN IN NEW BHA
2/16/2010	06:00 - 07:00	1.00	D	04		12 1/4" PDC, TORKBUSTER, M.M., TBR, SHOCK SUB, MULE SHOE, 1 X 8" MONEL WITH EM TOOL, 1 X 8" MONEL WITH PULSAR, TBR, 2 X 8" DC'S, CROSS OVER, DRILLING JARS, 12 X 6 1/2" DC'S & 6X 4 1/2" HWDP
	07:00 - 07:15	0.25	D	18		PICK UP BHA
	07:15 - 11:45	4.50	D	04		PRE JOB SAFETY MEETING
	11:45 - 12:00	0.25	D	05		PICK UP BHA
	12:00 - 12:15	0.25	D	06		TEST MWD TOOL
	12:15 - 13:15	1.00	D	06		PRE JOB SAFETY MEETING ON CUTTING DRILLING LINE
	13:15 - 14:00	0.75	D	04		CUT 58' OF DRILLING LINE
	14:00 - 16:00	2.00	D	13		PICK UP DRILL PIPE, TIH
	16:00 - 16:30	0.50	D	08		DRILLING CEMENT, FLOAT COLLAR, CEMENT, AND FLOAT SHOE.
	16:30 - 17:00	0.50	D	09		TAGGED CMT AT 945'. DRILLED 10' OF NEW HOLE.
2/17/2010	17:00 - 18:00	1.00	D	03		CIRCULATE HOLE CLEAN FOR FIT
	19:00 - 19:15	0.25	D	18		FORMATION INTEGRITY TEST. MUD WEIGHT 8.4 (WATER) ADDED
	19:15 - 00:15	5.00	D	03		SURFACE PRESSURE 250 PSI. FOR A PRESSURE GRADIENT OF .69 AND A EQUIVALENT MUD WEIGHT OF 13.22 PPG. DEPTH 1037'.
	00:15 - 00:30	0.25	D	06		DRILLING 12-1/4" HOLE FROM 1027'-1157'.
	00:30 - 05:30	5.00	D	03		PRE TOUR SAFETY MEETING
	05:30 - 06:00	0.50	D	03		MOTOR DRILL 12 1/4" HOLE FROM 1157' TO 1716'
	06:00 - 07:00	1.00	D	03		LUBRICATE RIG
	07:00 - 07:15	0.25	D	18		MOTOR DRILL 12 1/4" HOLE FROM 1716' TO 2235'
	07:15 - 11:00	3.75	D	03		ACCUMULATED CONNECTION & SURVEY TIME
	11:00 - 11:15	0.25	D	06		DRILLING 12-1/4" HOLE FROM 2290'-2357'
	11:15 - 17:00	5.75	D	03		PRE JOB SAFETY MEETING
	17:00 - 18:00	1.00	D	18		DRILLING 12-1/4" HOLE FROM 2357'-2654'
	18:00 - 19:00	1.00	D	03		LUBRICATE RIG, TOP DRIVE, SWIVEL, AND BLOCKS.
	19:00 - 19:15	0.25	D	18		DRILLING 12-1/4" HOLE FROM 2654' TO 3140' CLOSED SYSTEM
	19:15 - 00:45	5.50	D	03		IN AT 2686' TO MONITOR FOR LOSSES. LOSING APPROXIMATELY 30 BBLs. PER HOUR.
	00:45 - 01:00	0.25	D	06		ACCUMULATED CONNECTION AND SURVEY TIME
	01:00 - 05:30	4.50	D	03		DRILL 12 1/4" HOLE FROM 3140' TO 3209'
						PRE TOUR SAFETY MEETING
						DRILL 12 1/4" HOLE FROM 3209' TO 3583'
						LUBRICATE RIG GREASE BLOCKS, TOP DRIVE & DRAWWORKS
						DRILL 12 1/4" HOLE FROM 3583' TO 3864'

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EL PASO PRODUCTION  
Operations Summary Report

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Legal Well Name: LAKE FORK RANCH 3-14B4  
Common Well Name: LAKE FORK RANCH 3-14B4  
Event Name: DRILLING  
Contractor Name: PRECISION DRILLING  
Rig Name: PRECISION

Start: 11/12/2009  
Rig Release: 3/29/2010  
Rig Number: 406

Spud Date: 2/15/2010  
End: 3/29/2010  
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/18/2010	06:00 - 07:00	1.00	D	03		DRILLING 12-1/4" HOLE FROM 3864'-3913'
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING
	07:15 - 09:15	2.00	D	03		DRILLING 12-1/4" HOLE FROM 3913'-4052'
	09:15 - 10:00	0.75	D	06		LUBRICATE RIG AND ACCUMULATED CONNECTION AND SURVEY TIME.
	10:00 - 13:15	3.25	D	03		DRILLING 12-1/4" HOLE FROM 4052'-4200'
	13:15 - 14:30	1.25	D	04		CIRCULATE AND CONDITION MUD FOR SHORT TRIP TO SHOE. WORKING PIPE CONSTANTLY.
	14:30 - 18:00	3.50	D	04		SHORT TRIP TO CASING SHOE AT 1027'.
	18:00 - 19:00	1.00	D	07		FILL PIPE. WASH & REAM
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING
	19:15 - 21:00	1.75	D	07		WASH AND REAM FROM 4140' TO 4200'
	21:00 - 22:00	1.00	D	08		PUMP SWEEP CIRCULATE HOLE CLEAN
	22:00 - 01:30	3.50	D	04		CHECK FLOW. PUMP PILL. POOH TO 291'
	01:30 - 01:45	0.25	D	04		PRE JOB SAFETY MEETING {LAYING DOWN 8" DRILL COLLARS & DIRECTIONAL TOOLS}
	01:45 - 05:00	3.25	D	04		LAYDOWN 8" BHA
2/19/2010	05:00 - 05:30	0.50	D	12		CLEAN RIG FLOOR & HELD SAFETY MEETING ON RIGGING UP TESCO CASING TOOLS
	05:30 - 06:00	0.50	D	12		RIG UP CASING TOOLS TO RUN 9 5/8" CASING
	06:00 - 07:00	1.00	D	12		RIG UP TESCO RUNNING TOOL
	07:00 - 07:15	0.25	D	18		PRE JOB SAFETY MEETING WITH TESCO AND RIG CREWS.
	07:15 - 08:45	1.50	D	12		RIG UP TESCO RUNNING TOOL AND SET TORQUE
	08:45 - 13:15	4.50	D	12		MAKE UP FLOAT SHOE, FLOAT COLLAR, RESET TORQUE ON TOP DRIVE AND RUN CASING. RAN 96 JOINTS OF 40# / FOOT P-110 LTC CASING, TOTAL LENGTH 4198.93, FLOAT SHOE 1.80, AND FLOAT COLLAR 1.81. TOTAL LENGTH 4202.54'. TORQUE 8290 FT-LB.
	13:15 - 13:45	0.50	D	12		BREAK CIRCULATION AT 2430' AND CIRCULATE BOTTOMS UP.
	13:45 - 16:00	2.25	D	12		LARGE AMOUNTS OF CUTTINGS OVER SHAKER, FULL RETURNS. CONTINUE RUNNING CASING
	16:00 - 16:45	0.75	D	12		WASH CASING 50' TO BOTTOM
	16:45 - 18:15	1.50	D	12		CIRCULATE AND CONDITION MUD, WORKING CASING CONSTANTLY.
	18:15 - 19:00	0.75	D	12		CIRCULATE CASING AND RIG DOWN TESCO RUNNING TOOL
	19:00 - 19:15	0.25	D	18		RIG UP SCHLUMBERGER CEMENTING HEAD AND CIRCULATING HOSE
	19:15 - 20:15	1.00	D	14		PRE TOUR SAFETY MEETING
	20:15 - 23:00	2.75	D	14		CHANGE BAILS ON TOP DRIVE FROM SHORT TO LONG. ATTACH 500 TON ELEVATORS.
						HELD 3RD PARTY SAFETY MEETING. CEMENT 4200' 9 5/8" CASING WITH 20 BBLs 9.7 PPG MUD PUSH, 515 SKS 11.0 PPG LEAD + ADDS
	23:00 - 06:00	7.00	D	14		YEILD = {3.98} WATER = {25.66 GALS/SK} 201 SKS 10-0 RFC @14.2 PPG TAIL CEMENT YEILD = {1.61} WATER = {8.068 GALS/SK} DROP PLUG ON FLY AND DISPLACE WITH 315.4 BBLs RESERVE PIT WATER. BUMPED PLUG 500 PSI OVER. CHECK FLOATS. HELD OK. RESIPRICATED CASING 15' THROUGH OUT ENTIRE JOB WITH FULL RETURNS. EST 55 BBLs CEMENT TO PIT

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# EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: LAKE FORK RANCH 3-14B4  
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Event Name: DRILLING  
Contractor Name: PRECISION DRILLING  
Rig Name: PRECISION

Start: 11/12/2009  
Rig Release: 3/29/2010  
Rig Number: 406

Spud Date: 2/15/2010  
End: 3/29/2010  
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/20/2010	06:00 - 07:00	1.00	D	15		NIPPLE DOWN BOPE. ROTATING HEAD, ANNULAR, AND DRILLING CROSS.
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING
	07:15 - 12:00	4.75	D	15		NIPPLE DOWN BOPE. ROTATING HEAD, ANNULAR, AND DRILLING CROSS.
	12:00 - 14:15	2.25	D	10		CUT OFF 9-5/8" CASING, 13-3/8" CASING. WELD "A" SECTION ON 9-5/8" AND PRESSURE TEST. PRESSURE TEST TO 2400 PSI FOR 10 MINUTES. OK.
	14:15 - 15:00	0.75	D	14		PUT CEMENT BETWEEN 13-3/8" CASING AND 9-5/8" CASING.
	15:00 - 19:00	4.00	D	15		NIPPLE UP 11" 10K BOPE
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING
	19:15 - 01:00	5.75	D	15		NIPPLE UP 11" 10K BOPE. (SINGLE RAM, DOUBLE RAM, ANNULAR-5K, AND 11" 5 K ROTATING HEAD. BOLTS TORQUED BETWEEN "B" AND SINGLE AND DOUBLE AND ANNULAR. PICKUP SINGLE JOINT AND RUN IN AND SET TEST PLUG. FILL BOP WITH H2O
	01:00 - 05:00	4.00	D	15		WEATHERFORD TESTER ON LOCATION MODIFY & FABRICATE FLOW LINE. UNABLE TO START TESTING WITH WELDER STILL WORKING ON FLOW LINE {SET BHA ON PIPE RACKS. STRAP AND CALIPER}
	05:00 - 05:15	0.25	D	09		PRE JOB SAFETY MEETING {TESTING WITH HIGH PRESSURE}
	05:15 - 06:00	0.75	D	09		START TESTING 10K BOPE - FIRST TEST PIPE RAM'S AND INSIDE LOWER KELLY VALVE 250 PSI LOW AND 10K HIGH F/10 MINS.
	06:00 - 07:00	1.00	DT	53		TRY TO PRESSURE TEST. UNABLE TO PRESSURE TEST. PULL TEST PLUG, MEASURE OUT, PLUG NOT SEATED, "O" RING MISSING. MEASURED PLUG IN. HUNG UP 2' ABOVE SEAT, WORKED TO BOTTOM, SEATED.
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING
	07:15 - 15:00	7.75	D	09		PRESSURE TEST BOP STACK 250 LOW AND 5000 HIGH ON ALL VALVES ON STACK, BOTH SETS OF PIPE RAMS, BLIND RAMS, TIW VALVE, UPPER KELLY VALVE, MANUAL UPPER KELLY VALVE, AND INSIDE BOP. PRESSURE TEST ANNULAR 250 LOW AND 2500 HIGH. ALL TESTS CHARTED AND EACH TEST FOR 10 MINUTES.
2/21/2010	15:00 - 15:30	0.50	D	09		ACCUMULATOR FUNCTION TEST.
	15:45 - 16:00	0.25	D	09		PRESSURE TEST CASING 1500PSI FOR 30 MINUTES.
	16:00 - 19:00	3.00	D	04		BOP DRILL. FUNCTION ANNULAR 14 SECONDS, FUNCTION HCR 3 SECONDS.
	19:00 - 19:15	0.25	D	18		PICKUP DIRECTIONAL TOOLS, SCRIBE. PICKUP AND RIH BHA
	19:15 - 20:30	1.25	D	04		PRE TOUR SAFETY MEETING
	20:30 - 20:45	0.25	D	05		RIH TO 957'
	20:45 - 22:15	1.50	D	04		SURFACE TEST MWD TOOLS
	22:15 - 22:30	0.25	D	18		RIH 8 3/4" DIRECTIONAL BHA TO 4027'
	22:30 - 23:15	0.75	D	18		HELD BOP DRILL. MEN IN POSITION AND SECURED WELL 100 SEC.
	23:15 - 00:00	0.75	D	04		PRE JOB SAFETY MEETING {SLIP & CUT DRILL LINE}
	00:00 - 00:30	0.50	D	13		CUT AND SLIP 57.6 FT DRILL LINE
	00:30 - 01:00	0.50	D	08		RIH FROM 4027' TO 4125'
	01:00 - 01:30	0.50	D	09		CLEAN OUT CEMENT TO TOP FLOAT @4150'. DRILL OUT FLOAT. CLEAN OUT CEMENT TO SHOE @ 4197'. DRILL OUT SHOE. DRILL FROM 4197' TO 4207'
						CIRCULATE HOLE CLEAN FOR FIT
						PICKUP INTO CASING. CLOSE PIPE RAM'S. FORMATION INTEGRITY TEST. FRESH WATER 8.4 PPG. ADDED SURFACE

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EL PASO PRODUCTION  
Operations Summary Report

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Legal Well Name: LAKE FORK RANCH 3-14B4

Common Well Name: LAKE FORK RANCH 3-14B4

Event Name: DRILLING

Contractor Name: PRECISION DRILLING

Rig Name: PRECISION

Start: 11/12/2009

Rig Release: 3/29/2010

Rig Number: 406

Spud Date: 2/15/2010

End: 3/29/2010

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/21/2010	01:00 - 01:30	0.50	D	09		PRESSURE 1500 PSI. PRESSURE GRADIENT OF 0.8 WITH AN EQUIVALENT MUD WEIGHT OF 15.27 PPG.
	01:30 - 03:15	1.75	D	03		DRILL 8 3/4" HOLE FROM 4207' TO 4318'
	03:15 - 03:30	0.25	D	06		LUBRICATE RIG. GREASE TOP DRIVE, BLOCKS & SWIVEL (CHECK FLOW, NO WATER FLOW'S)
	03:30 - 05:45	2.25	D	03		DRILL 8 3/4" HOLE FROM 4318' TO 4473'
	05:45 - 06:00	0.25	D	03		ACCUMULATED CONNECTION & SURVEY TIME
2/22/2010	06:00 - 07:00	1.00	D	03		DRILLING 8 3/4" HOLE FROM 4473'-4480'
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING
	07:15 - 09:15	2.00	D	03		DRILLING 8 3/4" HOLE FROM 4480'-4685'
	09:15 - 09:30	0.25	D	06		LUBRICATE RIG FUNCTION UPPER 3 SECONDS
	09:30 - 17:00	7.50	D	03		DRILLING 8 3/4" HOLE FROM 4685' TO 5260'
	17:00 - 18:00	1.00	D	03		ACCUMULATED CONNECTION AND SURVEY TIME
	18:00 - 19:00	1.00	D	03		DRILLING 8 3/4" HOLE FROM 5260' TO 5330'
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING
	19:15 - 23:30	4.25	D	03		DRILLING 8 3/4" HOLE FROM 5330' TO 5653'
	23:30 - 23:45	0.25	DT	60		WORK ON #1 PUMP
	23:45 - 00:00	0.25	D	05		ACCUMULATED CONNECTION & SURVEY TIME
	00:00 - 00:45	0.75	D	03		DRILLING 8 3/4" HOLE FROM 5653' TO 5715'
	00:45 - 01:00	0.25	D	06		LUBRICATE RIG. GREASED TOP DRIVE, BLOCKS & SWIVEL. FUNCTION TEST ANNULAR
	01:00 - 05:30	4.50	D	03		DRILLING 8 3/4" HOLE FROM 5715' TO 6181'
	05:30 - 06:00	0.50	D	05		ACCUMULATED CONNECTION & SURVEY TIME
2/23/2010	06:00 - 07:00	1.00	D	03		DRILLING 8-3/4" HOLE FROM 6181'-6224'
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING
	07:15 - 08:45	1.50	D	03		DRILLING 12-1/4" HOLE FROM 6224'-6263'
	08:45 - 09:00	0.25	D	06		LUBRICATE RIG FUNCTION UPPER 3 SECONDS.
	09:00 - 17:00	8.00	D	03		DRILLING 8-3/4" HOLE FROM 6263'-7020'. LARGE AMOUNTS OF PARAFIN FROM 6620' AS PER MUD LOGGER. LARGE AMOUNTS OF PARAFIN AND OIL ON TOP OF RESERVE PIT.
	17:00 - 18:00	1.00	D	03		ACCUMULATED CONNECTION AND SURVEY TIME
	18:00 - 19:00	1.00	D	03		DRILL F/ 7031'-7120'
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING (MIXING IN HOPPER)
	19:15 - 23:30	4.25	D	03		DRILL F/ 7120'-7455'. (20:15 CLOSE IN CIRC SYSTEM, MONITOR LOSSES @ 24 BBLS/HR) CONTINUE PUMPING SWEEPS EVERY SECOND CONNECTION
	23:30 - 00:00	0.50	D	03		ACCUM SUREYS & CONNECTION TIME.
	00:00 - 02:45	2.75	D	03		DRILLING F/ 7455'-7580'
	02:45 - 03:00	0.25	D	06		RIG SERVICE FUNCTION ANNULAR 18 SEC. GREASE TOP DRIVE, BLOCKS, SWIVEL
	03:00 - 04:00	1.00	D	03		DRILL F/ 7580'-7673'. CONNECTION GAS 2076 UNITS BACK GROUND 325 UNITS.
	04:00 - 04:45	0.75	DT	65		WORK ON #1 PUMP. WORK DRILL STRING
	04:45 - 05:30	0.75	D	03		DRILL F/ 7673' - 7735'
2/24/2010	05:30 - 06:00	0.50	D	03		ACCUM SURVEY & CONNECTION
	06:00 - 07:00	1.00	D	03		DRILLING 8-3/4" HOLE FROM 7735'-7762'
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING
	07:15 - 10:30	3.25	D	03		DRILLING 8-3/4" HOLE FROM 7762'-7855'
	10:30 - 10:45	0.25	D	06		LUBRICATE RIG, FUNCTION UPPER 3 SECONDS.
	10:45 - 17:00	6.25	D	03		DRILLING 8-3/4" HOLE FROM 7855'-
	17:00 - 18:00	1.00	D	03		ACCUMULATED CONNECTION AND SURVEY TIME.
	18:00 - 19:00	1.00	D	03		DRILL F/ 8170'-8232'
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING(WORKING ON PUMPS)

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Operations Summary Report

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Legal Well Name: LAKE FORK RANCH 3-14B4

Common Well Name: LAKE FORK RANCH 3-14B4

Event Name: DRILLING

Contractor Name: PRECISION DRILLING

Rig Name: PRECISION

Start: 11/12/2009

Rig Release: 3/29/2010

Rig Number: 406

Spud Date: 2/15/2010

End: 3/29/2010

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/24/2010	19:15 - 23:30	4.25	D	03		DRILL F/ 8232'-8430'
	23:30 - 00:00	0.50	D	03		ACCUM SURVEY & CONNECTION TIME
	00:00 - 01:30	1.50	D	03		DRILL F/ 8430'-8512'
	01:30 - 01:45	0.25	D	06		RIG SERVICE. FUNCTION ANNULAR 18 SEC. GREASE BLOCKS, TOP DRIVE, SWIVEL
	01:45 - 05:30	3.75	D	03		DRILL F/ 8512'-8760'
2/25/2010	05:30 - 06:00	0.50	D	03		ACCUM SURVEYS & CONNECTION TIME
	06:00 - 07:00	1.00	D	03		DRILLING 8-3/4" HOLE FROM 8760'-8787'
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING (LOCKOUT PROCEDURES)
	07:15 - 09:00	1.75	D	03		DRILLING 8-3/4" HOLE FROM 8787'-8880'
	09:00 - 09:15	0.25	D	06		LUBRICATE RIG. FUNCTION UPPER 3 SECONDS
	09:15 - 12:15	3.00	D	03		DRILLING 8-3/4" HOLE FROM 8880'-8995'
	12:15 - 12:30	0.25	DT	60		CHANGE OUT POP OFF VALVE.
	12:30 - 17:15	4.75	D	03		DRILLING 8-3/4" HOLE FROM 8995'-9167'. MUD UP @ 9000'
	17:15 - 18:00	0.75	D	03		ACCUMULATED CONNECTION AND SURVEY TIME
	18:00 - 19:00	1.00	D	03		DRILLING F/ 9167'-9180'
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING (LOCK OUT PROCEDURE)
	19:15 - 23:30	4.25	D	03		DRILL F/ 9180'-9315'
	23:30 - 00:00	0.50	D	05		ACCUM SURVEYS & CONNECTION TIME
	00:00 - 04:30	4.50	D	03		DRILL F/ 9315'-9443'
	04:30 - 04:45	0.25	D	06		RIG SERVICE FUNCTION ANNULAR 18 SEC.
2/26/2010	04:45 - 05:45	1.00	D	03		DRILL F/ 9443'-9474. BACK GROUND 914 UNITS CONNECTION 3324
	05:45 - 06:00	0.25	D	03		ACCUM SURVEYS & CONNECTION TIME
	06:00 - 06:15	0.25	D	03		DRILLING 8-3/4" HOLE FROM 9474'-9483'
	06:15 - 06:45	0.50	DT	60		WORK ON #2 PUMP, WORK STRING, 1 PUMP ON HOLE. CHANGE OUT POP OFF VALVE.
	06:45 - 07:00	0.25	D	03		DRILLING FROM 8-3/4" HOLE FROM 9483'-9485'
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING (PRESSURE WASHING)
	07:15 - 09:00	1.75	D	03		DRILLING 8-3/4" HOLE FROM 9485'-9530'
	09:00 - 09:15	0.25	D	06		LUBRICATE RIG FUNCTION UPPER 3 SECONDS.
	09:15 - 11:15	2.00	D	03		DRILLING 8-3/4" HOLE FROM 9530'-9572'
	11:15 - 12:00	0.75	D	08		CIRCULATE BOTTOMS UP FOR BIT TRIP
	12:00 - 19:00	7.00	D	04		TRIP OUT OF HOLE. PUMP TRIP PILL 5 STANDS OUT, FLOW CHECKS AT 9166', 5072', 1260'
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING.
	19:15 - 21:30	2.25	D	04		POOH. BREAK OFF PDC & TORQUE BUSTER. MAKE UP # 3 PDC. RIH. TRIP MUD CALC 83.08 BBLs. MEAS 137BBLs. 53.93 BBLs DIFF.
	21:30 - 22:00	0.50	D	04		INSTALL MWD SURVEY TOOLS.
	22:00 - 23:15	1.25	D	04		RIH TO 952'
2/27/2010	23:15 - 23:30	0.25	D	04		TEST MWD TOOLS @ 952'.
	23:30 - 00:45	1.25	D	04		RIH TO 4220'
	00:45 - 01:30	0.75	D	08		F/C & CIRCULATE BOTTOMS UP.
	01:30 - 03:45	2.25	D	04		RIH 4220'-9341'
	03:45 - 04:45	1.00	D	08		BREAK CIRC. & WASH TO BOTTOM NO FILL
	04:45 - 05:45	1.00	D	03		DRILL F/ 9572'-9620'
	05:45 - 06:00	0.25	D	06		RIG SERVICE.
	06:00 - 07:00	1.00	D	03		DRILLING 8-3/4" HOLE FROM 9620'-9659'
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING (RIG SERVICE)
	07:15 - 10:15	3.00	D	03		DRILLING 8-3/4" HOLE FROM 9659'-9806'
	10:15 - 10:30	0.25	D	06		LUBRICATE RIG FUNCTION UPPER 3 SECONDS
	10:30 - 17:00	6.50	D	03		DRILLING 8-3/4" HOLE FROM 9806'-
	17:00 - 18:00	1.00	D	03		ACCUMULATED CONNECTION AND SURVEY TIME.

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EL PASO PRODUCTION  
Operations Summary Report

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Legal Well Name: LAKE FORK RANCH 3-14B4  
Common Well Name: LAKE FORK RANCH 3-14B4  
Event Name: DRILLING  
Contractor Name: PRECISION DRILLING  
Rig Name: PRECISION

Start: 11/12/2009  
Rig Release: 3/29/2010  
Rig Number: 406  
Spud Date: 2/15/2010  
End: 3/29/2010  
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/27/2010	18:00 - 19:00	1.00	D	03		DRILL F/ 10204'-10260'
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING (REVIEW JSA #111 USING BOOM LINE)
	19:15 - 22:00	2.75	D	03		DRILL F/ 10260'-10372'
	22:00 - 22:15	0.25	D	06		RIG SERVICE FUNCTION ANNULAR 18 SEC. & LOWER PIPE RAMS 6 SEC.
	22:15 - 23:30	1.25	D	03		DRILL F/ 10372'-10466'. GAS TO 8488 UNITS, DIVERT FLOW TO GAS BUSTER. 1 FT GAS FLARE.
	23:30 - 00:00	0.50	D	05		ACCUM SURVEYS & CONNECTION TIMES.
	00:00 - 03:30	3.50	D	03		DRILL F/ 10466'-10652'
	03:30 - 03:45	0.25	D	06		RIG SERVICE. FUNCTION ANNULAR 18 SEC.
	03:45 - 05:00	1.25	DT	65		WORK ON # 22 PUMP. WORK STRING.
	05:00 - 05:45	0.75	D	03		DRILL F/ 10652'-10714'
2/28/2010	05:45 - 06:00	0.25	D	05		ACCUM SURVEYS & CONNECTION TIME
	06:00 - 06:30	0.50	D	03		DRILLING 8-3/4" HOLE FROM 10,714'-10,740'. TD 8-3/4" HOLE
	06:30 - 07:00	0.50	D	08		CIRCULATE AND CONDITION MUD. RAISING MUD WEIGHT TO 9.8 PPG.
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING
	07:15 - 12:15	5.00	DT	55		CIRCULATE AND CONDITION MUD. RAISING MUD WEIGHT TO CONTROL BACK GROUND GAS.
	12:15 - 17:00	4.75	D	04		SHORT TRIP. PUMP TRIP PILL. FLOW CHECKS @ 10710', 10,282', 4355'
	17:00 - 18:15	1.25	D	06		SLIP AND CUT DRILLING LINE.
	18:15 - 19:00	0.75	D	04		RIH
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING (RIH)
	19:15 - 20:00	0.75	D	04		RIH TO 7550'
3/1/2010	20:00 - 20:15	0.25	D	04		F/C. FILL PIPE, BREAK CIRC.
	20:15 - 21:30	1.25	D	04		RIH F/ 7550'-10550'
	21:30 - 22:00	0.50	D	04		WASH TO BOTTOM. NO FILL
	22:00 - 02:00	4.00	D	08		CIRC & CONDITION MUD. WORK STRING.
	02:00 - 06:00	4.00	D	04		F/C, PULL 56 STANDS F/C, PUMP PILL POOH. STRAP OUT.
	06:00 - 07:00	1.00	D	04		TRIP TO SHOE. TIGHT SPOT AT 5430'. WORK THROUGH TIGHT SPOT SEVERAL TIMES. PULL UP TO SHOE.
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING (TRIP IN HOLE)
	07:15 - 08:00	0.75	DT	56		TRIP IN HOLE TO 5430'. START REAMING 1 STAND ABOVE TIGHT SPOT. REAM THROUGH TIGHT SPOT. WORKED THROUGH TIGHT SPOT SEVERAL TIMES. LOSING MUD AT THIS POINT.
	08:00 - 11:00	3.00	DT	56		CIRCULATE AND CONDITION MUD, WORKING PIPE CONTINUOUSLY, BUILDING VOLUME 45 VISCOSITY, 10.0 PPG MUD WEIGHT, AND 15% LCM. RAISING MUD WEIGHT WITH CALCARB. LOST APPROXIMATELY 95 BBLs. OF MUD.
	11:00 - 12:00	1.00	DT	56		TRIP IN HOLE 15 STANDS TO 6800, WOULD NOT DISPLACE GOING IN. BREAK CIRCULATION.
	12:00 - 13:15	1.25	DT	56		WORK PIPE CONTINUOUSLY AND BUILD VOLUME.
	13:15 - 15:30	2.25	DT	56		TRIP IN HOLE FROM 6800' TO 10,740' (TD). HOLE DISPLACED PROPERLY GOING IN.
	15:30 - 15:45	0.25	DT	56		FILL PIPE AND WASH LAST 2 STANDS TO BOTTOM.
	15:45 - 19:00	3.25	DT	56		CIRCULATE AND CONDITION MUD. BUILDING VOLUME, WORKING PIPE CONTINUOUSLY. NO LOSSES.
	19:00 - 19:15	0.25	DT	56		PRE TOUR SAFETY MEETING. (TRIPPING OUT OF HOLE) REVIEW JSA #2
	19:15 - 19:30	0.25	DT	56		CIRCULATE AND CONDITION MUD. BUILDING VOLUME, WORKING PIPE CONTINUOUSLY. NO LOSSES.

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Legal Well Name: LAKE FORK RANCH 3-14B4  
Common Well Name: LAKE FORK RANCH 3-14B4  
Event Name: DRILLING  
Contractor Name: PRECISION DRILLING  
Rig Name: PRECISION

Spud Date: 2/15/2010  
Start: 11/12/2009 End: 3/29/2010  
Rig Release: 3/29/2010 Group:  
Rig Number: 406

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/1/2010	19:30 - 00:00	4.50	DT	56		F/C. PULL 5 STAND, F/C, PUMP PILL, BLOW KELLY W/ AIR. POOH. F/C @ 10736', 10286', 7476', 4220'. TIGHT SPOT @ 5632'. STRAP OUT. BOARD 9878.21', MEAS. 9877.07'. DIFF -1.14'. TRIP MUD CAL 90.54 BBLs. MEAS 106.65 BBLs. DIFF +16.2 BBLs
	00:00 - 04:15	4.25	DT	56		POOH.
	04:15 - 04:30	0.25	D	04		HELD SAFETY MEETING, ON LAYING DOWN DIRECTION TOOLS. JSA 85
	04:30 - 04:45	0.25	D	04		LAY DOWN DIRECTIONAL TOOLS.
	04:45 - 06:00	1.25	D	11		SAFETY MEETING W/ LOGGERS. RIG IN LOGGERS. MONITOR WELL WHILE RIGGING IN & LOGGING.
3/2/2010	06:00 - 08:15	2.25	D	11		TRIP IN HOLE WITH LOGS. BRIDGES FROM 4400'-6000'. ON BOTTOM WITH LOG AT 0815. LOGGER'S TD 10,750'
	08:15 - 12:45	4.50	D	11		LOG WITH HALLIBURTON. (DR-DSN-SDL-ACRT)
	12:45 - 13:00	0.25	D	06		BOP DRILL, WELL SECURE 110 SECONDS. FUNCTION ANNULAR 18 SECONDS. FUNCTION HCR 3 SECONDS.
	13:00 - 17:15	4.25	D	04		MAKE UP BHA AND TIH.
	17:15 - 18:00	0.75	D	08		FILL PIPE, BREAK CIRCULATION, AND CIRCULATE BOTTOMS UP AT 9-5/8" CASING SHOE. FULL RETURNS.
	18:00 - 18:15	0.25	D	04		RIH
	18:15 - 19:00	0.75	DT	56		REAM THROUGH TIGHT SPOTS @ 4470', 4468', 4524'
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING (TRIPPING IN. REVIEW JSA 1)
	19:15 - 00:00	4.75	DT	56		REAM THROUGH TIGHT SPOTS @ 4470', 4468', 4524'
	00:00 - 03:15	3.25	DT	56		REAM THROUGH TIGHT SPOTS @ 4486' 4524', 4675'
3/3/2010	03:15 - 05:00	1.75	D	04		RIH /F/ 4675' - 7683'
	05:00 - 05:15	0.25	D	06		BOP DRILL, WELL SCURED, MEN IN POSTION 100 SEC. FUNCTION ANNULAR 18 SEC.
	05:15 - 06:00	0.75	D	08		FILL PIPE, BREAK CIRC, CIRC BOTTOMS UP @ 7683'
	06:00 - 07:00	1.00	D	04		TRIP IN HOLE
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING (TRIP IN HOLE)
	07:15 - 08:00	0.75	D	04		TRIP IN HOLE
	08:00 - 08:30	0.50	D	08		FILL DRILL PIPE AND WASH TO BOTTOM (LAST 2 STANDS) 20' OF FILL.
	08:30 - 11:00	2.50	D	08		CIRCULATE AND CONDITION MUD TO LDDP. BOTTOMS UP 25' FLAME.
	11:00 - 11:45	0.75	D	04		FLOW CHECK, STAND BACK 5 STANDS IN DERRICK. FLOW CHECK, MIX TRIP PILL
	11:45 - 18:00	6.25	D	04		LAY DOWN DRILL PIPE FROM 10,740'-1200'.
	18:00 - 18:30	0.50	D	04		LAYDOWN DRILL STRING.
	18:30 - 18:45	0.25	D	04		RUN IN STANS FROM DERRICK
	18:45 - 19:00	0.25	D	04		BOLW KELLY
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING. (SLIP & CUT)
	19:15 - 19:45	0.50	D	06		SLIP & CUT 57.6 FT
	19:45 - 22:30	2.75	D	04		LAY DOWN DRILL STRING & BHA.
	22:30 - 00:00	1.50	D	12		RIG UP FLOOR FOR RUNNING 7" CSG, HELD SAFETY MEETING ON RUN 7" CSG. TRIP MUD CAL. 85.37 BBLs. MEAS. 113.62 BBLs. DIFF 28.25 BBLs.
3/4/2010	00:00 - 01:00	1.00	D	12		RIG IN TESCO CSG TOOLS.
	01:00 - 06:00	5.00	D	12		MAKE UP SHOE & FLOAT COLLAR. RUN 237 JT 7" 29 LB P110 8 RD LT&C CSG. W/ 1 PUP JT & LANDING MADREL. TORQUE CSG TO 7970 FT/LBS. FILL CSG EVERY 10 JTS. RUN CSG @ 1 1/2 MIN PER JT.
	06:00 - 09:00	3.00	D	12		RUNNING 7" CASING FROM 2364'-4197'.
	09:00 - 09:45	0.75	D	08		FILL PIPE AND BREAK CIRCULATION AT THE SHOE (4197') FULL

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# EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: LAKE FORK RANCH 3-14B4  
Common Well Name: LAKE FORK RANCH 3-14B4  
Event Name: DRILLING  
Contractor Name: PRECISION DRILLING  
Rig Name: PRECISION

Start: 11/12/2009  
Rig Release: 3/29/2010  
Rig Number: 406

Spud Date: 2/15/2010  
End: 3/29/2010  
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/4/2010	09:00 - 09:45	0.75	D	08		RETURNS.
	09:45 - 14:15	4.50	D	12		CONTINUE RUNNING 7" CASING FROM 4197'-7600'.
	14:15 - 15:15	1.00	D	08		FILL PIPE, CIRCULATE BOTTOMS UP AT 7600'.
	15:15 - 19:00	3.75	D	12		RUNNING CASING FROM 7600'- 10620'. RAN 236 JOINTS OF 7" 29# PER FOOT P-110 LTC CASING TOTAL LENGTH 10,706.55', FLOAT SHOE 1.40', FLOAT COLLAR 1.78', PUP JOINT 2.99', AND LANDING MANDREL 0.74, FOR A TOTAL OF 10,713.46'. SET AT 10,730.46'.
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING (RUNNING CSG)
	19:15 - 19:45	0.50	D	12		INSTALL ROTATING HEAD.
	19:45 - 20:30	0.75	D	07		WASH TO BOTTOM
	20:30 - 00:00	3.50	D	07		TAG BRIDGE @ 10668' WASH THROUGH.
	00:00 - 00:15	0.25	D	07		WASH TROUGH TAGGED BOTTOM. CIRC GAS UP 1126 UNITS
	00:15 - 00:30	0.25	D	12		DROP BACK DOWN TO 172 UNITS
	00:30 - 01:45	1.25	D	12		REMOVE ROTATING HEAD
	01:45 - 02:15	0.50	D	12		LAY OUT 2 JTS CSG. & MAKE UP LANDING JT
	02:15 - 02:30	0.25	D	18		CIRC CSG & LAND MANDREL
	02:30 - 02:45	0.25	D	08		SAFETY MEETING (RIG OUT TESCO TOOLS)
	02:45 - 04:30	1.75	D	12		RIG UP CEMENT HEAD.
	04:30 - 04:45	0.25	D	14		CIRC CSG & RIG OUT TESCO. INSTALL BAILS & ELEVATORS
	04:45 - 06:00	1.25	D	14		RIG IN CEMENTERS
3/5/2010						CEMENT W/ 355 SKS 11 LB EXTENDED LEAD, 205 SKS 12.5 LB INTERMEDIATE TAIL
	06:00 - 08:00	2.00	D	14		CEMENT WITH SCHLUMBERGER. 20 BBLs. OF 10.3 PPG MUD
						PUSH, 355 SACKS 11.0 PPG LEAD (2#/BBL. CEMNET PLUS
						ADDITIONAL ADDITIVES. YIELD = (3.95) WATER (25.47 GALLONS
						PER SACK), 205 SACKS 15:85 POZ G WITH 2#/BBL. CEMNET PLUS
						ADDITIONAL ADDITIVES @ 12.5 PPG YIELD = (12.46 GALLONS PER
						SACK). DISPLACE WITH 10 BBLs OF WATER, THEN 387 BBLs. OF
						PIT WATER. PLUG DID NOT BUMP. WENT 1.7 BBLs. OVER
						DISPLACEMENT (SHOE TRACK) DID NOT BUMP. FLOWED BACK 3
						BBLs. TO CHECK FLOATS, FLOATS DID NOT HOLD. PUMPED BACK
						3 BBLs. CHECKED FLOATS FOR SECOND TIME. DID NOT HOLD.
						PUMPED BACK 3 BBLs. FLOWED BACK 1.5 BBLs. SHUT WELL IN.
						PRESSURE ON CASING WHEN SHUT IN 1280 PSI.
	08:00 - 13:00	5.00	D	14		WOC. PRESSURE TESTING CHOKE MANIFOLD WITH
						WEATHERFORD, CHANGE 4-1/2" PIPE RAMS TO 3-1/2". PUT 3-1/2"
	13:00 - 13:15	0.25	D	14		DRILL PIPE ON RACKS. STRAP AND CALIPER 4-3/4" BHA.
	13:15 - 15:00	1.75	D	10		300 PSI LEFT ON CASING. BLED CASING OFF SLOWLY. BLED OFF
						COMPLETELY, LESS THAN HALF A BARREL FLOWED BACK.
	15:00 - 17:30	2.50	D	09		BACKED OFF LANDING JOINT, INSTALLED PACKOFF ASSEMBLY,
	17:30 - 18:00	0.50	D	09		AND PRESSURE TESTED TO 5000 PSI FOR 10 MINUTES. OK.
	18:00 - 19:00	1.00	D	09		CHANGE OUT BALES AND SAVER SUB, SET TOP DRIVE.
	19:00 - 19:15	0.25	D	18		MAKE UP TEST PLUG AND INSTALL.
	19:15 - 00:00	4.75	D	09		TEST LOWER PIPE RAMS, 250 PSI LOW, 10000 PSI HIGH
						PRE TOUR SAFETY MEETING, (PRESSURE TESTING)
						PRESS TEST BOPS INSIDE BOP & STABING VALVE 250 PSI LOW
						10000 PSI HIGH. (CHANGE OUT BONNET SEAL ON BLIND RAMS &
						SEAL ON TESTING SUB). PRESS TEST ANNULAR TO 5000 PSI,
						CSG TO 2500 PSI FOR 30 MIN.
	00:00 - 05:30	5.50	D	09		PRESS TEST BOPS. ANNULAR FAILED. DAMAGE ELEMENT
	05:30 - 05:45	0.25	D	09		BOP DRILL, WELL SECURE 100 SEC. FUNCTION HCR 3 SEC.
						FUNCTION ANNULAR 16 SEC,
	05:45 - 06:00	0.25	D	09		PRESSURE TEST CSG TO 2500 PSI. FOR 30 MIN

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Legal Well Name: LAKE FORK RANCH 3-14B4

Common Well Name: LAKE FORK RANCH 3-14B4

Event Name: DRILLING

Start: 11/12/2009

Spud Date: 2/15/2010

Contractor Name: PRECISION DRILLING

Rig Release: 3/29/2010

End: 3/29/2010

Rig Name: PRECISION

Rig Number: 406

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/6/2010	06:00 - 07:00	1.00	D	09		PRESS TEST BOP, & INSIDE BOP & SAFETY VALVE.
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING
	07:15 - 08:45	1.50	D	09		PRESS TEST BOP, & INSIDE BOP & SAFETY VALVE.
	08:45 - 09:30	0.75	D	09		PRESS TEST CSG TO 2500 PSI FOR 30 MINS.
	09:30 - 15:30	6.00	DT	65		TEAR OUT ROTATING HEAD & FLOW LINE. PULL CAP ON ANNULAR, PULL OUT ANNULAR ELEMENT. WAIT FOR ELEMENT. INSTALL ELEMENT & ROTATING HEAD.
	15:30 - 17:00	1.50	D	09		PRESS TEST ANNULAR TO 250 PSI LOW & 2500 PSI HIGH. FUINCTION TEST ACUMMULATOR
	17:00 - 19:00	2.00	D	04		MAKEUP BIT, STRAIGHTEN M.M., PICKUP DIRECTIONAL TOOLS AND BHA
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING
	19:15 - 22:00	2.75	D	04		PICKUP AND RIH 3 1/2" DRILL PIPE
	22:00 - 22:15	0.25	D	04		CHANGE DIES IN RENTAL SLIPS
3/7/2010	22:15 - 03:45	5.50	D	04		PICKUP AND RIH 3 1/2" DRILL PIPE TO 7322'
	03:45 - 06:00	2.25	DT	60		THAW TOP DRIVE
	06:00 - 07:00	1.00	D	04		PICK UP 3 1/2" DP. RIH.
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING
	07:15 - 09:30	2.25	D	04		PICK UP 3 1/2" DP. RIH. TAG CEMENT STRINGER @ 10543 FT
	09:30 - 09:45	0.25	D	04		BOP DRILL W/ CREW. WELL SECURED IN 90 SEC.
	09:45 - 11:00	1.25	D	07		BREAK CIRC, WASH DOWN TO FLOAT COLLAR. DRILL OUT FLOAT COLLAR 10668' & FLOAT SHOE 10718'. NO CEMENT IN SHOE JT. CIRC DOWN TO 10739.5 FT. NO CEMENT.
	11:00 - 13:30	2.50	D	08		CIRC. BOTTOM UP TWICE. W/ 10.1 LB MUD 39 VIS.
	13:30 - 14:30	1.00	D	09		FIT. @ 0.73 PSI/FT. 14.03 MUD DENSITY.
	14:30 - 15:00	0.50	D	03		DRILL AHEAD W/ 6 1/8" PDC. 10739'-10755'
3/8/2010	15:00 - 15:45	0.75	DT	67		REPLACE VALVES IN PUMP
	15:45 - 19:00	3.25	D	03		DRILL F/ 10755'-10810'
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEEETING
	19:15 - 20:30	1.25	D	03		DRILL F/10810' TO 10839'
	20:30 - 20:45	0.25	D	06		LUBRICATE RIG. FUNCTION UPPER PIPE RAM'S {3SEC} FUNCTION LOWER PIPE RAM'S {3SEC}
	20:45 - 23:15	2.50	D	03		DRILL F/10839' TO 10915'
	23:15 - 00:00	0.75	D	03		ACCUMULATED CONNECTION AND SURVEY TIME
	00:00 - 05:30	5.50	D	03		DRILL F/10915' TO 11020'
	05:30 - 06:00	0.50	D	03		ACCUMULATED CONNECTION & SURVEY TIME
	06:00 - 07:00	1.00	D	03		DRILL F/ 11020'-11038'
3/8/2010	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING.
	07:15 - 13:45	6.50	D	03		DRILL F/ 11038'-11125'. MOTOR STALLING. DECREASE WEIGHT INCREASE RPM TO 65. 7-8 ON PDC.
	13:45 - 14:00	0.25	D	06		RIG SERVICE FUNCTION UPPER PIPE RAMS. 8 SEC.
	14:00 - 16:30	2.50	D	03		DRILL F/ 11125'-11149.5'
	16:30 - 19:00	2.50	DT	57		LOST CIRC. MIX & PUMP 60 VIS W/ 30 % LCM 9.9 DENSITY @ 50 STKS/MIN. 17:38 HRS DP @ 25 PSI
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING
	19:15 - 23:00	3.75	DT	57		LOST CIRC. MIX & PUMP 60 VIS WITH 30% LCM 9.9 # DENSITY @50 STRK/MIN
						ESTABLISH RETURNS, CONTINUE CIRCULATING THRU GAS BUSTER
						TOOK 82 BBL GAIN WITH 100+ FLARE, SHUT ANNULAR
						CIRCULATE OUT GAS THRU CHOKE MANIFOLD @RSPP. OPEN ANNULAR CONTINUE CIRC. THRU GAS BUSTER NO LOSSES PUMPING @ 165 GPM. 3RD PARTY GAS @1700 UNITS

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Legal Well Name: LAKE FORK RANCH 3-14B4

Common Well Name: LAKE FORK RANCH 3-14B4

Event Name: DRILLING

Contractor Name: PRECISION DRILLING

Rig Name: PRECISION

Start: 11/12/2009

Rig Release: 3/29/2010

Rig Number: 406

Spud Date: 2/15/2010

End: 3/29/2010

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/8/2010	19:15 - 23:00	3.75	DT	57		NOTE: MUD RETURNS CONTAMINATED WITH LARGE AMOUNT OF CONDENSATE & LIGHT GREEN OIL & PARIFIN . TOTAL LOSSES = 275+ BBLs
	23:00 - 00:00	1.00	D	03		DRILL F/11149' TO 11154'
	00:00 - 00:15	0.25	D	06		BLOW THRU MANIFOLD & LINES TO FLARE STACK. FUNCTION UPPER, LOWER PIPE RAM'S & HRC
3/9/2010	00:15 - 06:00	5.75	D	03		DRILL F/11154' TO 11189'
	06:00 - 06:30	0.50	D	03		DRILL F/11189'-11191'
	06:30 - 07:00	0.50	DT	65		CIRC, REPAIR PUMPS.
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING (LOCK OUT PROCEDURE
	07:15 - 08:45	1.50	DT	65		CIRC, REPAIR PUMPS.
	08:45 - 11:30	2.75	D	03		DRILL F/11191'-11220'
	11:30 - 11:45	0.25	D	06		RIG SERVICE. GREASE TOP DRIVE & DRAWWORKS. FUNCTION ANNULAR 15 SEC
	11:45 - 15:00	3.25	D	03		DRILL F/11220'-11251'. BACK GRUND GAS 1515 UNITS, INCREASE DENSITY
	15:00 - 16:30	1.50	DT	65		CIRC, REPAIR PUMP
	16:30 - 17:45	1.25	D	03		CIRC BOTTOMS UP
	17:45 - 19:00	1.25	D	04		POOH. FLOW CHECK @ 11251', 11180'
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING (POOH)
	19:15 - 23:45	4.50	D	04		POOH WITH FLOW CHECKS @11221', 10848', 5711' & 1517'
	23:45 - 00:00	0.25	D	06		LUBRICATE RIG. FUNCTION ANNULAR
	00:00 - 01:45	1.75	D	04		LAYDOWN DIRECTIONAL TOOLS. BREAK BIT & LAYDOWN MUD MOTOR
	01:45 - 04:00	2.25	D	04		TRIP FLUID MEASURED 101.4 BBLs. CALCULATED 68.77 BBLs. DIFF = 32.63 BBLs
	04:00 - 05:30	1.50	D	04		PICKUP NEW M.M. {CHANGE OUT FLOAT}. STRAIGHTEN M.M. & MAKEUP BIT #6
3/10/2010	05:30 - 06:00	0.50	D	04		RIH BHA. SHALLOW PULSE TEST DIRECTIONAL TOOLS.
	06:00 - 06:30	0.50	D	04		RIH
	06:30 - 07:00	0.50	D	04		RIH
	07:00 - 07:15	0.25	D	18		PULASE TEST SURVEY TOOLS. BLOW KELLY
	07:15 - 08:00	0.75	DT	64		PRE TOUR SAFETY MEETING (RIH)
	08:00 - 10:30	2.50	DT	64		POOH TO RE SEAT MWD TOOL. FLOW CHECK @ 75 FT
	10:30 - 13:45	3.25	D	04		PULASE TEST TOOLS. RIH
	13:45 - 14:15	0.50	D	08		RIH F/C 941'
	14:15 - 15:30	1.25	D	06		FILL PIPE & CIRC.
	15:30 - 16:00	0.50	D	08		SLIP & CUT. 57.6 FT OF DRILL LINE
	16:00 - 17:00	1.00	D	04		CIRC WELL
	17:00 - 17:15	0.25	D	03		RIH. CIRC 2 STAND DOWN. REAM TO BOTTOM 3 FT. FILL PATTERN BIT.
	17:15 - 19:00	1.75	D	03		DRILL TO 11270' TO 11294'
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING
	19:15 - 19:45	0.50	D	03		DRILL F/11294' TO 11313'
	19:45 - 20:00	0.25	D	06		LUBRICATE RIG
	20:00 - 22:30	2.50	D	03		DRILL F/11313' TO 11364'
	22:30 - 06:00	7.50	DT	55		TOOK GAS KICK. 61 BBL GAIN. SHUT IN WELL CASING PRESSURE 1075 PSI DRILL PIPE PRESSURE 440 PSI. OPEN CHOKE
						CIRCULATE 11.3 PPG KILL WEIGHT MUD 2 CIRCULATIONS. WELL STILL NOT KILLED. CIRCULATE 11.3 PPG KILL WEIGHT MUD WITH 1300 PSI CONSTANT DRILL PIPE PRESSURE.
3/11/2010	06:00 - 07:00	1.00	DT	55		WELL SHUT IN. REBUILD PUMPS. BUILD VOLUME IN PRE MIX TO

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# EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: LAKE FORK RANCH 3-14B4

Common Well Name: LAKE FORK RANCH 3-14B4

Event Name: DRILLING

Contractor Name: PRECISION DRILLING

Rig Name: PRECISION

Start: 11/12/2009

Rig Release: 3/29/2010

Rig Number: 406

Spud Date: 2/15/2010

End: 3/29/2010

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/11/2010	06:00 - 07:00	1.00	DT	55		50 VIS 11.4#
	07:00 - 07:15	0.25	DT	55		PRE TOUR SAFETY MEETING
	07:15 - 08:15	1.00	DT	55		WELL SHUT IN. PUMP 11.4# 50 VIS 20% LCM CIRCULATE THRU CHOKE AND GAS BUSTER @RSPP
	08:15 - 14:30	6.25	DT	55		REBUILD PUMPS. DRAIN AND CLEAN SOLIDS AND PARIFIN FROM MUD TANKS. BUILD VOLUME
	14:30 - 18:00	3.50	DT	55		WELL SHUT IN. PUMP 11.4# 50 VIS 20% LCM MUD CIRCULATE THRU CHOKE AND GAS BUSTER @RSPP
	18:00 - 19:00	1.00	DT	55		CIRC THROUGH CHOKE REGAIN CIRC, STILL 20 FT FLARE
	19:00 - 19:15	0.25	DT	55		PRE TOUR SAFETY MEETING
	19:15 - 19:30	0.25	DT	55		CIRC THROUGH CHOKE REGAIN CIRC, STILL 20 FT FLARE
	19:30 - 06:00	10.50	DT	55		SHUT IN WELL. REBUILD PUMPS {CLEAN OUT SUCTIONS, CHANGE OUT HYDRIL DAMPENERS} CLEAN PARFIN FROM TANKS. BUILD VOLUME IN ACTIVE TANKS TO 11.4+ 55 VIS 20+ % LCM. BUILD VOLUME IN PRE MIX 11.4+ 55 VIS.
3/12/2010	06:00 - 07:00	1.00	DT	55		OPEN WELL AND CIRCULATE SURFACE LINES THRU CHOKE EVERY HOUR
	07:00 - 07:15	0.25	DT	55		CIRC THROUGH MANIFOLD SHUT MONITOR
	07:15 - 11:15	4.00	DT	55		PRE TOUR SAFETY MEETING (WELL CONTROL)
	11:15 - 12:15	1.00	DT	55		CIRC THROUGH MANIFOLD SHUT MONITOR
	12:15 - 19:00	6.75	DT	55		CIRC THROUGH MANIFOLD SHUT MONITOR. STRIP 3 STANDS THROUGH ANNULAR TO 11033 FT
	19:00 - 19:15	0.25	DT	55		CIRC THROUGH MANIFOLD SHUT MONITOR
	19:15 - 04:00	8.75	DT	55		PRE TOUR SAFETY MEETING
	04:00 - 05:00	1.00	DT	55		CIRC THROUGH MANIFOLD SHUT MONITOR
	05:00 - 05:30	0.50	DT	55		CIRCULATE THROUGH MANIFOLD WITH 5FT LAZY FLARE. 100% FLUID TO SURFACE. @05:00 MUD RETURNS STILL
	05:30 - 06:00	0.50	DT	55		CONTAMINATED WITH PERIFIN. MUD WEIGHT IN 11.5# 70 VIS 22% LCM OUT MUD WEIGHT 10.5# DUMPING MUD TO PIT UNTIL GOOD MUD AT SHAKER.
3/13/2010	06:00 - 07:00	1.00	DT	55		WORK ON PUMPS
	07:00 - 07:15	0.25	DT	55		CIRCULATE THROUGH MANIFOLD WITH 5FT LAZY FLARE. 100% FLUID TO SURFACE. @05:00 MUD RETURNS STILL
	07:15 - 12:30	5.25	DT	55		CONTAMINATED WITH PERIFIN. MUD WEIGHT IN 11.5# 70 VIS 22% LCM OUT MUD WEIGHT 10.5# DUMPING MUD TO PIT UNTIL GOOD MUD AT SHAKER.
	12:30 - 13:15	0.75	DT	55		FLOW CHECK, CHECK PRESSURE, OPEN WELL & CIRC THROUGH GAS BUSTER
	13:15 - 19:00	5.75	DT	64		PRE TOUR SAFETY MEETING.
	19:00 - 19:15	0.25	DT	64		CIRC WELL THROUGH PILL TANK
	19:15 - 19:30	0.25	DT	64		BLOW MANIFOLD & ALL LINES
	19:30 - 19:45	0.25	DT	60		CIRC & CONDITION MUD, BUILD VOLUME, WORK PIPE
	19:45 - 05:30	9.75	DT	64		PRE TOUR SAFETY MEETING(POOH)
3/14/2010	05:30 - 06:00	0.50	DT	62		CIRCULATE. PUMP WEIGHTED PILL TO DRY PIPE
	06:00 - 07:00	1.00	DT	64		WORK ON PUMPS. CHECK FLOW

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Legal Well Name: LAKE FORK RANCH 3-14B4

Common Well Name: LAKE FORK RANCH 3-14B4

Event Name: DRILLING

Contractor Name: PRECISION DRILLING

Rig Name: PRECISION

Start: 11/12/2009

Rig Release: 3/29/2010

Rig Number: 406

Spud Date: 2/15/2010

End: 3/29/2010

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/14/2010	07:00 - 07:15	0.25	DT	64		PRE TOUR SAFETY MEETING (RIH)
	07:15 - 10:00	2.75	DT	64		RIH TO 5046 FT
	10:00 - 11:00	1.00	DT	64		FILL PIPE & CIRC BOTTOMSUP
	11:00 - 13:00	2.00	DT	64		RIH TO 10650 FT
	13:00 - 14:00	1.00	DT	64		FILL PIPE CIRC BOTTOMS UP
	14:00 - 15:30	1.50	DT	64		RIH TO 11133 FT 27 FT FILL. WASH TO BOTTOM.
	15:30 - 19:00	3.50	D	03		DRILL F/ 11364' to 11415'
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING
	19:15 - 23:45	4.50	D	03		DRILL F/11415' TO 11511'
	23:45 - 00:00	0.25	D	06		LUBRICATE RIG. FUNCTION ANNULAR 16 SEC. FUNCTION LOWER PIPE RAM'S 3 SEC
3/15/2010	00:00 - 02:00	2.00	D	03		DRILL F/11511' TO 11566'
	02:00 - 03:00	1.00	D	18		DAYLIGHT SAVING TIME
	03:00 - 06:00	3.00	D	03		DRILL F/11566' TO 11641'
	06:00 - 07:00	1.00	D	03		DRILL F/ 11641'-11656'
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING. ( MIXING & MONITOR WELL)
	07:15 - 08:15	1.00	D	03		DRILL F/ 11656'-11700'
	08:15 - 08:30	0.25	D	06		RIG SERVICE. GREASE CROWN, BLOCKS & TOP DRIVE. FUNCTION UPPER PIPE RAMS 4 SEC.
	08:30 - 17:15	8.75	D	03		DRILL F/ 11700'-11885'. TOOK 35 BBL'S PIT GAIN. GAS UNITS 2400 UNITS. FLOW CHECK
	17:15 - 18:00	0.75	DT	55		SHUT WELL IN. CASING PRESSURE 72 PSI DRILL PIPE 67 PSI. BEGIN CIRC OUT KICK.
	18:00 - 19:00	1.00	DT	55		PUMP 11.9# MUD KILL WEIGHT MUD THRU CHOKE AND GAS BUSTER
3/16/2010	19:00 - 19:15	0.25	DT	53		PRE TOUR SAFETY MEETING
	19:15 - 00:45	5.50	DT	55		CONTINUE CIRCULATING 11.9# KILL WEIGHT MUD. 3' TO 6' LAZY FLARE
	00:45 - 03:00	2.25	DT	55		CONTINUE CIRCULATING 12+ KILL WEIGHT MUD. 3' TO 4' LAZY FLARE
	03:00 - 06:00	3.00	DT	55		CONTINUE CIRCULATING 12.1+ KILL WEIGHT MUD
	06:00 - 06:45	0.75	DT	55		CIRCULATE OUT KICK THROUGH MANIFOLD. RAISE MUD WEIGHT TO 12.1+, VISCOSITY 53, AND LCM 20%.
	06:45 - 07:00	0.25	DT	55		FLOW CHECK. WELL STATIC.
	07:00 - 07:15	0.25	DT	55		PRE TOUR SAFETY MEETING
	07:15 - 13:00	5.75	DT	59		WORK STUCK PIPE. PULLED UP TO 245,000 K. (100,000 OVER STRING WEIGHT) TRIED WORKING DRILL PIPE WITH TORQUE APPLIED (NEUTRAL, 100,000# OVER, WITH 75,000# SET DOWN . RIG UP SINGLE SHOT TO RUN FREE POINT. TAKE OFF SHORT ELEVATOR BALES AND INSTALL 16' BALES FOR STABBING VALVE AND PACKOFF.
	13:00 - 14:00	1.00	DT	59		FLOW CHECK. WELL APPEARS TO BE FLOWING. SCREWED IN TOP DRIVE TO CIRCULATE OUT GAS. TOOK A 32 BBL. GAIN AFTER CIRCULATING FOR 25 MINUTES. SHUT WELL IN, MONITOR PRESSURES. 0 SIDDP. 130 PSI SICP. TRY TO CIRCULATE OUT KICK. WELL BRIDGED OFF. SHUT WELL IN TO MONITOR PRESSURES.
	14:00 - 17:30	3.50	DT	55		RIG UP SINGLE SHOT TO RUN FREE POINT. MONITORING PRESSURES.
	17:30 - 19:00	1.50	DT	59		PRE TOUR SAFETY MEETING (WORKING WITH WIRE LINE FREE POINT TOOLS)
	19:00 - 19:15	0.25	DT	59		RUN SINGLE SHOT FREE POINT. 100% STUCK @11200' & 100% FREE @11160'
	19:15 - 21:15	2.00	DT	59		

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EL PASO PRODUCTION  
Operations Summary Report

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Legal Well Name: LAKE FORK RANCH 3-14B4  
Common Well Name: LAKE FORK RANCH 3-14B4  
Event Name: DRILLING  
Contractor Name: PRECISION DRILLING  
Rig Name: PRECISION

Start: 11/12/2009  
Rig Release: 3/29/2010  
Rig Number: 406

Spud Date: 2/15/2010  
End: 3/29/2010  
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/16/2010	21:15 - 22:15	1.00	DT	59		RIG DOWN SINGLE SHOT WIRE LINE TOOLS
	22:15 - 03:30	5.25	DT	55		CHANGE OUT BAILS AND ELEVATORS. BRING PUMP ON LINE @30 SPM HOLDING 750 PSI ON CHOKE. ESTABLISH FULL RETURNS. CIRCULATE OUT GAS THRU CHOKE. SHUT DOWN MONITOR WELL. NO FLOW. OPEN ANNULAR AND CIRCULATE @ 239 GPM. TOOK 35 BBL GAIN. SHUT IN WELL AND CIRCULATE BOTTOMS UP THRU CHOKE @ 30 SPM HOLDING 750 PSI DRILL PIPE PRESSURE. SHUT DOWN CHECK FLOW. OPEN ANNULAR CIRCULATE @239 GPM WHILE MIXING 50 BBLS OF BLACK MAGIC ON SCHLUMBERGER BATCH TRUCK
	03:30 - 03:45	0.25	DT	59		HELD 3RD PARTY SAFETY MEETING WITH SCHLUMBERGER {PUMPING BLACK MAGIC}
	03:45 - 04:45	1.00	DT	59		SCHLUMBERGER PUMPED 50 BBLS OF BLACK MAGIC INTO DRILL STRING @1.5 BPM. 57SXS BLACK MAGIC 31 BBLS DIESEL 4 BBLS WATER AND BARITE TO 12.1# TOTAL VOLUME = 50 BBLS. SCHLUMBERGER SHUT DOWN AND RIG DISPLACED BLACK MAGIC 1057 STROKES. 20 BBLS IN ANNULUS AND 30 BBLS INSIDE DRILL STRING.
	04:45 - 06:00	1.25	DT	59		WORK STUCK PIPE WITH BLACK MAGIC IN ANNULUS AND 30 BBLS LEFT IN DRILL STRING. PUMP 5 STROKES EVERY 15 MINUTES.
3/17/2010	06:00 - 06:15	0.25	DT	59		SET 70,000# DOWN ON STRING WITH MAXIMUM TORQUE. PIPE FELL FREE AT 06:15.
	06:15 - 15:15	9.00	DT	55		CIRCULATE AND WORK PIPE. CONDITION MUD. RAISING MUD WEIGHT .1 PPG PER CIRCULATION. DIVERTED THROUGH CHOKE WHEN DIESEL/BLACK MAGIC REACHED SURFACE. CIRCULATING THROUGH CHOKE MANIFOLD RAISING MUD WEIGHT .1 PPG PER CIRCULATION. LOWERING VISCOSITY AND MAINTAINING LCM PERCENTAGE.
	15:15 - 17:30	2.25	DT	55		CIRCULATE AND CONDITION MUD. OFF OF CHOKE. GOING THROUGH GAS BUSTER. RAISING MUD WEIGHT SLOWLY TO 12.4 PPG.
	17:30 - 20:45	3.25	D	03		DRILLING 6-1/8" HOLE @ 11,904' TO 11985'
	20:45 - 21:00	0.25	D	06		NOTE: STAND DOWN SAFETY MEETING WITH BOTH CREW'S. PRECISION DRILLING DEPARTMENT AND SAFETY DIVISION MADE PRESENTATION ELPASO ERIC GILES, DWIGHT FISHER, SAM TAYLOR, GARRY MILLER & BERNIE CARSON ATTENDED MEETING LUBRICATE RIG. FUNCTION UPPER PIPE RAM'S 3 SEC. FUNCTION LOWER PIPE RAM'S 3 SEC.
3/18/2010	21:00 - 04:15	7.25	D	03		DRILL F/11985' TO 12175'
	04:15 - 05:30	1.25	D	06		BLOW OUT MANIFOLD WITH AIR & STEAM
	05:30 - 06:00	0.50	D	03		DRILL F/12175' TO 12185'
	06:00 - 07:00	1.00	D	03		DRILLING 6-1/8" HOLE FROM 12,185'-12,211'
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING (90' CONNECTIONS)
	07:15 - 12:45	5.50	D	03		DRILLING 6-1/8" HOLE FROM 12,211'-12,368'
	12:45 - 13:00	0.25	D	06		LUBRICATE RIG. FUNCTION TPR C/O 6 SECONDS. GREASE TOP DRIVE, BLOCKS, AND SWIVEL.
	13:00 - 17:30	4.50	D	03		DRILLING 6-1/8" HOLE FROM 12,368' TO 12,480' RSPP @ 12,367' 30 SPM = 924 PSI. 50 SPM = 1068 PSI
	17:30 - 18:00	0.50	D	03		ACCUMULATED CONNECTION TIME.
	18:00 - 19:00	1.00	D	03		DRILL F/12,480' TO 12,485'
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING {CAUSTIC SODA}

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Legal Well Name: LAKE FORK RANCH 3-14B4  
Common Well Name: LAKE FORK RANCH 3-14B4  
Event Name: DRILLING  
Contractor Name: PRECISION DRILLING  
Rig Name: PRECISION

Start: 11/12/2009  
Rig Release: 3/29/2010  
Rig Number: 406

Spud Date: 2/15/2010  
End: 3/29/2010  
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/18/2010	19:15 - 20:30	1.25	D	03		DRILL F/12,485' TO 12,555'
	20:30 - 20:45	0.25	D	06		LUBRICATE RIG {NOTE: DURING RIG SERVICE NOTICED WELL FLOWING. 15 BBLs PVT INCREASE}
	20:45 - 02:30	5.75	DT	55		WELL SHUT IN SIDPP = 0 SICP = 780 PSI FIRST CIRCULATION PUMPING 12.5# MUD WEIGHT @30 SPM HOLDING 924 PSI DRILL PIPE
	02:30 - 06:00	3.50	DT	55		RECIPRICATING 15' THOUGH OUT CIRCULATION TIME SECOND CIRCULATION: @30 SPM HOLDING 924 PSI STAND PIPE PRESSURE PUMP 12.7# MUD WEIGHT @04:00 MUD WEIGHT IN 12.7+ MUD WEIGHT OUT 12.4# {3RD PARTY GAS 1700 UNITS} 6' TO 8' FLARE
3/19/2010	06:00 - 06:15	0.25	DT	55		RECIPRICATING THOUGH OUT CIRCULATION TIME
	06:15 - 07:00	0.75	D	03		CIRCULATE THROUGH CHOKE.
	07:00 - 07:15	0.25	D	18		DRILLING 6-1/8" HOLE FROM 12,555'-12,574'
	07:15 - 15:30	8.25	DT	55		PRE TOUR SAFETY MEETING
						TOOK 9 BBL. INCREASE. SHUT WELL IN. SIDPP- 200 PSI. SICP 625 PSI. CIRCULATE OUT KICK RAISING MUD WEIGHT TO 12.8+ PPG ON FIRST CIRCULATION, 13.1 PPG ON SECOND LOCATION. WORKING DRILL PIPE CONSTANTLY.
	15:30 - 19:00	3.50	D	03		DRILLING 6-1/8" HOLE FROM 12,574'- 12,653'. RAISING MUD WEIGHT TO 13.1 PPG THROUGH OUT SYSTEM.
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING
	19:15 - 19:30	0.25	D	06		LUBRICATE RIG
3/20/2010	19:30 - 05:45	10.25	D	03		DRILL F/12,653' TO 12890' RAISE MUD WEIGHT FROM 13.1# PPG TO 13.4+ PASON GAS 602 UNITS
	05:45 - 06:00	0.25	D	03		ACCUMULATED CONNECTION TIME
	06:00 - 07:00	1.00	D	03		DRILLING 6-1/8" HOLE FROM 12,890'-12,915'
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING (OPERATING MANRIDER JSA #35)
	07:15 - 11:30	4.25	D	03		DRILLING 6-1/8" HOLE FROM 12,915'-13,034'
	11:30 - 11:45	0.25	D	06		LUBRICATE RIG FUNCTION ANNULAR C/O 18 SECONDS. GREASE TOP DRIVE, BLOCKS, AND SWIVEL
	11:45 - 17:15	5.50	D	03		DRILLING 6-1/8" HOLE FROM 13,034'-13,224'
	17:15 - 18:00	0.75	D	18		ACCUMULATED CONNECTION TIME.
	18:00 - 19:00	1.00	D	03		DRILL F/13,224' TO 13,243
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING {DRIVING AT PROPER SPEEDS & MANRIDE OPERATIONS}
	19:15 - 21:30	2.25	D	03		DRILL F/13,243' TO 13,317'
	21:30 - 21:45	0.25	D	06		LUBRICATE RIG. FUNCTION UPPER & LOWER PIPE RAM'S 3 SEC EACH
3/21/2010	21:45 - 03:45	6.00	D	03		DRILL F/13,317' TO 13,500' {TD}
	03:45 - 05:00	1.25	D	08		CIRCULATE BOTTOMS UP
	05:00 - 06:00	1.00	D	04		CHECK FLOW. PUMP PILL. POOH TO 7" CASING SHOE
	06:00 - 09:00	3.00	D	04		SHORT TRIP TO 7" CASING SHOE. ONE TIGHT SPOT @ 12,800'. PULLED 15,000 OVER. NOTHING GOING BACK TO BOTTOM.
	09:00 - 10:30	1.50	DT	55		CIRCULATE AND CONDITION MUD. BOTTOMS UP TOOK 20 BBL. GAIN. SHUT WELL IN. 0 SIDPP/ 393 PSI SICP. CIRCULATED OUT THROUGH CHOKE. FULL OPEN.
	10:30 - 11:15	0.75	D	08		CIRCULATE AND CONDITION MUD. MONITORING WELL FOR GAINS AND LOSSES.
	11:15 - 11:45	0.50	DT	55		CIRCULATE THROUGH CHOKE. 15 BBL. GAIN. 15' FLAME BOTH STACKS. 0 PSI SIDPP. 350 PSI SICP. 45 SPM 605 PSI DP

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Legal Well Name: LAKE FORK RANCH 3-14B4  
Common Well Name: LAKE FORK RANCH 3-14B4  
Event Name: DRILLING  
Contractor Name: PRECISION DRILLING  
Rig Name: PRECISION

Spud Date: 2/15/2010  
Start: 11/12/2009 End: 3/29/2010  
Rig Release: 3/29/2010 Group:  
Rig Number: 406

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/21/2010	11:15 - 11:45	0.50	DT	55		PRESSURE. CHOKE FULL OPEN
	11:45 - 12:45	1.00	D	08		CIRCULATE AND CONDITION MUD. 96 SPM PUMP. 225 GPM.
	12:45 - 13:00	0.25	DT	55		TOOK 15 BBL. GAIN. CIRCULATE GAS OUT THROUGH CHOKE.
						CHOKE FULL OPEN. 0 PSI SIDPP. 65 PSI SICP. RAISING MUD
						WEIGHT TO 13.6 PPG.
	13:00 - 15:45	2.75	D	08		CIRCULATE & CONDITION. RECIPRICATE PIPE
	15:45 - 18:00	2.25	DT	61		WIRE LINE SURVEY SET FOR 45 MINUTES. UNABLE TO REACH
						BOTTOM BEFORE TIMER WENT OFF. WENT TO BOTTOM IN 1 HR.
						POOH
	18:00 - 19:00	1.00	DT	61		CIRCULATE BOTTOMS UP
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING
	19:15 - 22:00	2.75	DT	61		WIRE LINE SURVEY SET FOR 1HR 10 MINUTES. POOH WITH
						SURVEY. BARREL PULLED TIGHT & PARTED LINE.
	22:00 - 22:30	0.50	DT	61		POOH 8 STANDS STRIPPING WIRE LINE THRU STANDS. LEFT 120'
3/22/2010	22:30 - 23:45	1.25	DT	61		FREE LINE ON LAST STAND OUT
						SLICED LINE BACK INTO SURVEY MACHINE. POOH WITH SURVEY
						TOOL. NOTE: WHILE POOH NO SWABING WAS NOTICES. WIRE
						LINE ON SURVEY MACHINE .092
	23:45 - 00:45	1.00	DT	55		POOH TO 7" CASING SHOE @10718'. BLOW OUT CHOKE AND
						MANIFOLD LINES
	00:45 - 02:30	1.75	DT	55		RIH FILLING EVERY 10 STANDS
	02:30 - 05:00	2.50	DT	55		CIRCULATE 2 X BOTTOM'S UP. CIRCULATING OUT GAS. FIRST
						CIRCULATION PASON GAS 371 UNITS. BOTTOMS UP 1425 UNITS.
						SECOND CIRCULATION PASON GAS 374 UNITS. BOTTOMS UP 374
						UNITS
	05:00 - 06:00	1.00	D	04		CHECK FLOW. POOH FOR LOGS
	06:00 - 07:00	1.00	D	04		TRIP OUT OF HOLE FOR LOGS FROM 10,605'.
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING (TRIPPING OUT OF HOLE REVIEW
						JSA #10.)
	07:15 - 12:15	5.00	D	04		TRIP OUT OF HOLE FOR LOGS. TRIP MUD CALCULATED 82.86
						BBLs. MEASURED 92.51. DIFFERENCE = +9.65 BBLs. FUNCTION
						BLIND RAMS 6 SECONDS C/O. FLOW CHECKS @ 7760' AND 1016'.
						AND OUT OF HOLE.
3/23/2010	12:15 - 13:00	0.75	D	11		CLEAN OFF RIG FLOOR. PRE JOB SAFETY MEETING WITH RIG
						CREWS AND HALLIBURTON WIRELINE.
	13:00 - 18:00	5.00	D	11		RIG UP HALLIBURTON WIRELINE AND TRIP IN HOLE WITH LOG.
						MONITORING WELL FOR ANY LOSSES OR GAINS. LOG ON
						BOTTOM AT 14:55. LOGGER'S TD 13,494'.
	18:00 - 19:00	1.00	D	11		RIG DOWN HALLIBURTON LOGGING SERVICES
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING
	19:15 - 00:30	5.25	D	04		MAKE UP BIT, BHA & RIH TO 10665'. FILLING EVERY 10 STANDS
						AND CIRCULATE FOR 3 MINUTES
	00:30 - 01:30	1.00	D	08		CIRCULATE 1X BOTTOM'S UP AT 7" CASING SHOE
	01:30 - 02:45	1.25	D	06		SLIP & CUT DRILL LINE
3/23/2010	02:45 - 04:00	1.25	D	04		CONTINUE RIH. FILL EVERY 10 STANDS AND CIRCULATE FOR 3
						MINUTES. WASH & REAM LAST 160' TO BOTTOM. 2 FT FILL
	04:00 - 06:00	2.00	D	08		CIRCULATE 2X BOTTOMS UP & CONDITION FOR RUNNING 4 1/2"
3/23/2010						LINER
						FIRST BOTTOMS UP 3RD PARTY GAS 783 UNITS PEAK 1444 UNITS
3/23/2010						3FT FLARE
	06:00 - 07:00	1.00	D	04		FLOW CHECK, TRIP OUT OF HOLE TO RUN CASING.
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING. DISCUSSED CROWN OUT

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Operations Summary Report

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Legal Well Name: LAKE FORK RANCH 3-14B4  
Common Well Name: LAKE FORK RANCH 3-14B4  
Event Name: DRILLING  
Contractor Name: PRECISION DRILLING  
Rig Name: PRECISION

Start: 11/12/2009 Spud Date: 2/15/2010  
End: 3/29/2010  
Rig Release: 3/29/2010 Group:  
Rig Number: 406

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/23/2010	07:00 - 07:15	0.25	D	18		INCIDENT ON RIG 404.
	07:15 - 12:00	4.75	D	04		LAY DOWN DRILL PIPE. BLOW OUT TOP DRIVE.
	12:00 - 12:15	0.25	D	04		PRE JOB SAFETY MEETING ON LAYING DOWN BHA.
	12:15 - 14:00	1.75	D	04		LAY DOWN BHA. FUNCTIONED BLIND RAMS WHILE OUT OF HOLE. C/O 6 SECONDS.
	14:00 - 14:15	0.25	D	12		PRE JOB SAFETY MEETING WITH RIG CREWS AND WEATHERFORD ON RIGGING UP CASING CREW AND RUNNING CASING.
	14:15 - 19:00	4.75	D	12		RIG UP CASING CREW AND RUN 4-1/2" LINER. RAN 73 JOINTS (2976.30) PLUS MARKER JOINT (18.94) OF 4-1/2" 15.10 PPF P-110 CASING TOTAL LENGTH 2995.24.
						RAN FLOAT SHOE, 3 JOINTS OF CASING/FLOAT COLLAR, LANDING COLLAR, 34 JOINTS OF CASING, MARKER JOINT, 36 JOINTS OF CASING, LINER HANGER PACKER, SETTING TOOL, 15 JOINTS OF DP, 9 JOINTS OF HWDP, AND 304 JOINTS OF 3-1/2" DRILL PIPE.
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING
	19:15 - 23:00	3.75	D	12		RAN 4 1/2" LINER & 30 STANDS OF DRIFTED 3 1/2" DRILL PIPE TO 5744'. FILL EVERY 10 STANDS & BREAK CIRCULATION F/3 MIN.
	23:00 - 02:30	3.50	DT	51		UNABLE TO CIRCULATE @5744'. PULL 10 STANDS. ATTEMPT TO CIRCULATE. POOH TO LINER HANGER AND LAYDOWN SAME
	02:30 - 03:30	1.00	DT	51		INSTALL X-O FROM 4 1/2" CASING TO 3 1/2" IF. INSTALL TIW VALVE. PUMP ON CASING TO 1000 PSI WITH NO CIRCULATION.
	03:30 - 05:00	1.50	DT	51		WAIT ON WEATHERFORD CASING CREW TO LAYDOWN 4 1/2" CASING. MONITOR WELL WITH TRIP TANK.
	05:00 - 06:00	1.00	DT	51		RIG UP WEATHERFORD CASING CREW TO LAYDOWN 4 1/2" LINER
3/24/2010	06:00 - 07:00	1.00	DT	51		LAY DOWN 4-1/2" CASING
	07:00 - 07:15	0.25	DT	51		PRE TOUR SAFETY
	07:15 - 13:30	6.25	DT	51		LAY DOWN 4-1/2" CASING. TRY TO BREAK CIRCULATION 3 DIFFERENT TIMES.
	13:30 - 14:00	0.50	DT	51		RIG DOWN CASING CREW
	14:00 - 14:30	0.50	DT	51		CLEAN RIG FLOOR. PREPARE FOR TRIP IN HOLE..
	14:30 - 14:45	0.25	DT	51		PORE JOB SAFETY MEETING ON TRIP IN HOLE. JSA #8
	14:45 - 19:00	4.25	DT	51		MAKE UP BIT, BIT SUB, 9 JOINTS OF HWDP, AND TIH WITH 3-1/2" DRILL PIPE. FILLED PIPE AND CIRCULATED THROUGH BHA.
						BREAK CIRCULATION AT 4400' AND CIRCULATE BOTTOMS UP.
	19:00 - 19:15	0.25	DT	51		PRE TOUR SAFETY MEETING
	19:15 - 21:45	2.50	DT	51		RIH TO 10679' FILL EVERY 10 STANDS CIRCULATE F/3MIN.
	21:45 - 22:45	1.00	DT	51		CIRCULATE OUT GAS
	22:45 - 00:30	1.75	DT	51		RIH TO 13,135' FILL EVERY 10 STANDS CIRCULATE F/3MIN.
	00:30 - 01:45	1.25	DT	60		REPAIR BAYLOR BRAKE SYSTEM ON DRAWWORKS
	01:45 - 02:00	0.25	DT	51		LUBRICATE RIG
3/25/2010	02:00 - 02:30	0.50	DT	51		RIH TO 13,350' WASH LAST 2 STANDS TO BOTTOM {NO FILL}
	02:30 - 05:00	2.50	DT	51		CIRCULATE AND CONDITION. FIRST BOTTOMS UP 3RD PARTY PEAK GAS 6900 UNIT
						SECOND BOTTOMS UP BACKGROUND GAS 1100 UNITS.
	05:00 - 06:00	1.00	DT	51		BRINGING MUD WEIGHT FROM 13.7+ TO 13.8+ END CIRCULATION 3RD PARTY GAS 1068 UNITS
	06:00 - 07:00	1.00	DT	51		CHECK FLOW. PUMP PILL. POOH TO RUN 4 1/2" LINER
	07:00 - 07:15	0.25	DT	51		TRIP OUT OF HOLE TO RUN CASING.
	07:15 - 11:30	4.25	DT	51		PRE TOUR SAFETY MEETING. (TRIPPING OUT OF HOLE, REVIEW JSA #9)
						TRIP OUT OF HOLE TO RUN CASING.

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Legal Well Name: LAKE FORK RANCH 3-14B4  
Common Well Name: LAKE FORK RANCH 3-14B4  
Event Name: DRILLING  
Contractor Name: PRECISION DRILLING  
Rig Name: PRECISION

Start: 11/12/2009  
Rig Release: 3/29/2010  
Rig Number: 406

Spud Date: 2/15/2010  
End: 3/29/2010  
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/25/2010	11:30 - 11:45	0.25	DT	51		PRE JOB SAFETY MEETING WITH WEATHERFORD AND RIG CREWS.
	11:45 - 18:45	7.00	DT	51		RAN FLOAT SHOE, 3 JOINTS OF CASING, FLOAT COLLAR, LANDING COLLAR, 37 JOINTS OF CASING, MARKER JOINT(TOP AT 11,989'), 36 JOINTS OF CASING, LINER HANGER PACKER, SETTING TOOL, 15 JOINTS OF DP, 9 JOINTS OF HWDP, AND 304 JOINTS OF 3-1/2" DRILL PIPE. TOP OF LINER @ 10,497'.
	18:45 - 19:00	0.25	DT	51		PRE TOUR SAFETY MEETING (FORK LIFT SAFETY)
	19:00 - 20:15	1.25	DT	51		RIH WITH 4 1/2" LINER TO 5861' FILL EVERY 10 STANDS AND CIRCULATE F/3MIN.
	20:15 - 23:30	3.25	D	12		RIH WITH 4 1/2" LINER TO 10700'. FILL EVERY 10 STANDS AND CIRCULATE F/3MIN.
	23:30 - 00:45	1.25	D	12		CIRCULATE 1X BOTTOMS UP AT 7" CASING SHOE
	00:45 - 02:30	1.75	D	12		RIH WITH 4 1/2" LINER TO 13200'. FILL EVERY 10 STANDS AND CIRCULATE F/3MIN. @13200' PACKING OFF AND PRESSURE UP WHILE CIRCULATING. POOH 5 STANDS. REGAIN FULL CIRCULATION. WASH DOWN TO 12938'.
	02:30 - 06:00	3.50	D	12		CIRCULATE & CONDITION MUD.. LOST 130 BBLs MUD WHILE RUNNING LINER. START OF CIRCULATION LOSSES 100 BBLs WITH 25% LCM. BROUGHT LCM TO 30%. CONTINUE CIRCULATING BRING LCM TO 34%. TOTAL LOSSES @0600 175 BBLs.
3/26/2010	06:00 - 07:00	1.00	DT	55		BUILD VOLUME WORK PIPE
	07:00 - 07:15	0.25	DT	55		PRE TOUR SAFETY MEETING. (MIXING REVIEW JSA # 30)
	07:15 - 19:00	11.75	DT	55		BUILD VOLUME WORK PIPE
	19:00 - 19:15	0.25	DT	55		PRE TOUR SAFETY MEETING
	19:15 - 00:00	4.75	DT	55		BUILD VOLUME WORK PIPE
	00:00 - 06:00	6.00	DT	55		BUILD VOLUME WORK PIPE. 2112 UNITS GAS, NO BURNABLE FLARE
3/27/2010	06:00 - 07:00	1.00	DT	51		PULL OUT OF HOLE, CIRCULATING OUT WITH TOP DRIVE LOOKING FOR RESTRICTION.
	07:00 - 07:15	0.25	DT	51		PRE TOUR SAFETY MEETING. (WORKING WITH LOADER. REVIEW JSA #32)
	07:15 - 10:30	3.25	DT	51		PULL OUT OF HOLE, CIRCULATING OUT WITH TOP DRIVE LOOKING FOR RESTRICTION. PULL UP INTO INTERMEDIATE CASING.
	10:30 - 13:00	2.50	DT	51		CIRCULATE 2X BOTTOMS UP AT 65 SPM. NO LOSSES
	13:00 - 14:45	1.75	DT	51		CIRCULATE BOTTOMS UP AT 96 SPM. NO LOSSES.
	14:45 - 18:00	3.25	DT	51		ESTABLISH BASE LINE PRESSURE WITH PUMP #2 AT 66 SPM WITH A PRESSURE OF 1225 PSI. WASHING CASING TO BOTTOM FROM 10,795' TO 11,475'. FULL RETURNS. NO LOSSES.
	18:00 - 19:00	1.00	DT	51		CIRC & RUN IN CSG
	19:00 - 19:15	0.25	DT	51		PRE TOUR SAFETY MEETING.
	19:15 - 00:00	4.75	DT	51		CIRC & RUN IN CSG
	00:00 - 03:00	3.00	DT	51		CIRC & RUN 4 1/2 LINER TO BOTTOM.
3/28/2010	03:00 - 05:45	2.75	D	08		CIRC BOTTOMS UP TWICE. NO FILL.
	05:45 - 06:00	0.25	D	14		SAFETY MEETING W/ CEMENTERS & LINER HANGER CREW.
	06:00 - 07:00	1.00	D	08		CIRCULATE AND WORK PIPE.
	07:00 - 07:15	0.25	D	18		PRE JOB SAFETY MEETING WITH RIG CREWS, SCHLUMBERGER, HALLIBURTON, AND BOTH COMPANY MEN. (CEMENTING 4-1/2" CASING)
	07:15 - 10:00	2.75	D	14		RIG UP CEMENTERS AND PRESSURE TEST ALL LINES TO 8500 PSI. CEMENT WITH 20 BBLs. OF 14.7 PPG MUDPUSH II WITH 0.5 PPG CEMNET, 265 SACKS (77 BBLs.) EASYBLOCK 15.8 PPG

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EL PASO PRODUCTION  
Operations Summary Report

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Legal Well Name: LAKE FORK RANCH 3-14B4  
Common Well Name: LAKE FORK RANCH 3-14B4  
Event Name: DRILLING  
Contractor Name: PRECISION DRILLING  
Rig Name: PRECISION

Spud Date: 2/15/2010  
Start: 11/12/2009 End: 3/29/2010  
Rig Release: 3/29/2010 Group:  
Rig Number: 406

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/28/2010	07:15 - 10:00	2.75	D	14		WELLBOND WITH 0.5 PPG CEMENT IN THE FIRST 5 BBLs. THEN 2# PER BBL. IN THE REST OF THE CEMENT. YIELD (1.63) WATER (6.49 GALLONS PER SACK). SHUT DOWN, WASH PUMPS AND LINE, DROP PLUG. DISPLACE WITH 10 BBLs. RETARDED FLUID, 20 BBLs. WATER, 10 BBLs. OF RETARDED FLUID, 77 BBLs. OF 13.6 MUD. BUMPED PLUG AT 10:55. FINAL PRESSURE 3000 PSI. PRESSURED UP TO 500# OVER (3500 PSI) ON PLUG. HELD PRESSURE FOR 5 MINUTES AND BLED OFF PRESSURE. FLOWED BACK 1.5 BBLs. FLOATS HELD.
	10:00 - 10:45	0.75	D	14		DROPPED BALL. PRESSURED TO 5600 PSI AND RUPTURED DISK. PUMPED UNTIL BALL SEATED, PRESSURED TO 8500 PSI TO SET PACKER. BLED OFF PRESSURE. PULL TESTED PACKER TO 100,000 OVER STRING WEIGHT. (250,000#) PACKER SET. SLACKED OFF TO 50,000# TO SHEAR OFF OF PACKER. PULLED OUT OF HANGER.
	10:45 - 14:00	3.25	D	14		RECIPROCATED PIPE ABOVE TOP OF LINER HANGER AND CIRCULATE 2X BOTTOMS UP. CIRCULATED 14 BBLs. OF CEMENT TO SURFACE.
	14:00 - 14:30	0.50	D	14		POSITIVE TEST ON LINER 1500 PSI FOR 10 MINUTES. OK.
	14:30 - 16:00	1.50	D	08		DISPLACE HOLE WITH FRESH WATER FOR NEGATIVE TEST. FLOW CHECK. WELL STATIC.
	16:00 - 17:30	1.50	D	14		TEAR OUT CEMENTERS AND HEAD
	17:30 - 19:00	1.50	D	04		LAY DOWN DRILL PIPE.
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING (LAYING DOWN PIPE)
	19:15 - 19:45	0.50	D	06		CIRC. THROUGH MANIFOLD VALVES W/ WATER & BLOW W/ AIR.
	19:45 - 21:30	1.75	D	04		LAY DOWN DP.
	21:30 - 22:45	1.25	D	06		SLIP & CUT 115.2 FT. DRILL LINE
	22:45 - 00:00	1.25	D	04		RIN 31 STAND OUT OF DERRICK & FLOW CHECK.
	00:00 - 06:00	6.00	D	04		POOH LAYING DOWN DP. (CHANGE LINERS IN PUMP TO 5 1/2")
	06:00 - 07:00	1.00	D	04		LAY DOWN 3-1/2" DRILL PIPE
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING
	07:15 - 08:15	1.00	D	04		LAY DOWN 3-1/2" DRILL PIPE
	08:15 - 09:30	1.25	D	01		RIG OUT FLOOR
	09:30 - 11:00	1.50	D	01		RIG UP CASD HOLE SOLUTIONS TO SET BAKER RETREIVABLE BRIDGE PLUG. TRIP IN HOLE WITH RBP. TOP OF BRIDGE PLUG SET AT 2000' KB. MIDDLE PACKING ELEMENTS 2002.35. BOTTOM OF RET. BRIDGE PLUG 2004.60.
3/29/2010	11:00 - 12:15	1.25	D	01		SAFETY MEETING. PRESSURE TEST BRIDGE PLUG 1500 PSI FOR 10 MINUTES. OK.
	12:15 - 21:00	8.75	D	01		SAFETY MEETING, TEAR OUT BOP'S
	21:00 - 00:00	3.00	D	01		REMOVE B SECTION, INSTALL TUBING SPOOL, PRESS TEST TO 5000 PSI 10 MIN OK. RIG CLEANING TANKS & RIGGING OUT
	00:00 - 04:00	4.00	D	01		RIG OUT TOP DRIVE
	04:00 - 06:00	2.00	D	01		RIG OUT DERRICK AND FLOW LINES. RIG RELEASED 06:00 HRS 03/29/2010

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Legal Well Name: LAKE FORK RANCH 3-14B4  
Common Well Name: LAKE FORK RANCH 3-14B4  
Event Name: DRILLING  
Contractor Name: PRECISION DRILLING  
Rig Name: PRECISION

Start: 11/12/2009  
Rig Release: 3/29/2010  
Rig Number: 406

Spud Date: 2/15/2010  
End: 3/29/2010  
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/18/2010	06:00 - 17:00	11.00	D	03		AIR HAMMER DRILL 17 1/2" HOLE FROM 40' TO 510' {NOTE WATER FLOW @ 270'}
	17:00 - 18:00	1.00	D	05		ACCUMULATED CONNECTION & SURVEY TIME
	18:00 - 20:30	2.50	D	04		AIR HAMMER DRILL 17 1/2" HOLE FROM 510' TO 630'
	20:30 - 21:30	1.00	DT	67		POOH TO CHECK PIPE TALLY
1/19/2010	21:30 - 06:00	8.50	D	03		AIR HAMMER DRILL 17 1/2" HOLE FROM 630' TO 840'
	06:00 - 11:30	5.50	D	03		AIR HAMMER DRILL FROM 840' TO 990'
	11:30 - 14:00	2.50	DT	60		REPAIR AIR BOWL {LEAKING FLUID AND FLOODING LOCATION}
	14:00 - 15:30	1.50	D	03		AIR HAMMER DRILL FROM 990' TO 1045' {TOTAL DEPTH FOR 13 3/8" CASING}
	15:30 - 17:00	1.50	D	08		CIRCULATE HOLE CLEAN
	17:00 - 20:00	3.00	D	04		POOH
	20:00 - 01:30	5.50	D	12		RUN WELDED SHOE, SHOE JOINT, FLOAT COLLAR, AND 22 JOINTS 54.5# J-55 STC 13 3/8" CASING. CENTRILIZED WITH STOP COLLARS FIRST 3 JOINTS THEREAFTER EVERY 3RD JOINT. TOTAL CASING = 1010' {RELEASED RIG 1/20/2010 @01:30}
	01:30 - 03:30	2.00	D	14		PRO PETRO PUMPED 130 BBLS H2O FOLLOWED BY 20 BBLS GEL MIX & PUMP 230.4 BBLS PREMIUM 15.8# CEMENT 1.15 YIELD 5 gal/sk WATER 1125sk. DROP PLUG AND DISPLACE WITH 149 BBLS H2O, LANDED PLUG, CHECK FLOAT {OK}
						59 BBLS GOOD CEMENT TO PIT
						CEMENT FELL BACK, MIX AND PUMP 26 BBLS 15.8# CEMENT DOWN BACKSIDE. GOOD CEMENT TO SURFACE
2/12/2010	03:30 - 06:00	2.50	D	01		MOVE RIG TO THE HORROCKS #4-20A1
	06:00 - 07:00	1.00	D	01		CONTINUE RIGGING DOWN
	07:00 - 07:15	0.25	D	01		PRE JOB SAFETY MEETING WITH WESTROC, MOUNTAIN WEST, AND CREWS
	07:15 - 00:00	16.75	D	01		MOVE CAMP TO NEW LOCATION. PREPARE DERRICK TO LOWER, LOWER DERRICK, RIG DOWN. MOVED ALL DRILL PIPE AND FRONT END TO NEW LOCATION.
2/13/2010	00:00 - 06:00	6.00	D	18		WAIT ON DAYLIGHT
	06:00 - 07:00	1.00	D	18		WAIT ON DAYLIGHT. SANDED LOCATION. THAWED DAY BEFORE RIG MOVE. LOCATION COVERED WITH ICE.
	07:00 - 07:15	0.25	D	01		PRE JOB SAFETY MEETING WITH WESTROC, MOBILE CRANE, PRECISION RIG CREWS, AND CONSULTANTS.
	07:15 - 19:00	11.75	D	01		RIG DOWN WITH TRUCKS AND MOVE. SET OUT RIG, LOAD OUT AND MOVE TO NEW LOCATION. LEVEL SUBSTRUCTURE, PUT DERRICK ON FLOOR, AND SET RIG IN.
2/14/2010						TRUCKS FINISHED @1900
	19:00 - 06:00	11.00	D	01		WAIT ON DAYLIGHT
	06:00 - 10:00	4.00	D	18		WAIT ON DAYLIGHT AND PRE SPUD AT PINN WILLIES WITH PRECISION RIG CREWS, ROD THOMPSONS, BAKER HUGHES MUD, DWIGHT FISHER, ALEX EARHARDT, BERNIE CASON, SAM TAYLOR, AND GARY MILLER.
	10:00 - 19:00	9.00	D	01		PREPARE DERRICK TO RAISE, RAISE DERRICK, RIG UP, SCOPE DOWN GAS BUSTER (3 FEET.) REFAH GAS BUSTER AND CONTINUE RIGGING UP.
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING
	19:15 - 22:00	2.75	D	01		REFAH GAS BUSTER LINES & PICKUP TOP DRIVE & INSTALL SERVICE LOOP
	22:00 - 02:00	4.00	D	01		WELD ON 13 5/8" X 13 3/8" 3000 PSI CASING BOWL {TEST 790 PSI}

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Legal Well Name: LAKE FORK RANCH 3-14B4  
Common Well Name: LAKE FORK RANCH 3-14B4  
Event Name: DRILLING  
Contractor Name: PRECISION DRILLING  
Rig Name: PRECISION

Start: 11/12/2009  
Rig Release: 3/29/2010  
Rig Number: 406

Spud Date: 2/15/2010  
End: 3/29/2010  
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/14/2010	02:00 - 06:00	4.00	D	15		NIPPLE UP 13 5/8" 3K DIVERTER, CHOKE LINES & KILL LINES WITH SMITH ROTATING HEAD.
2/15/2010	06:00 - 07:00	1.00	D	10		NIPPLE UP DIVERTER.
	07:00 - 07:15	0.25	D	15		PRE TOUR SAFETY MEETING
	07:15 - 18:00	10.75	D	15		NIPPLE UP DIVERTER, VALVES, MANIFOLD LINES, ROTATING HEAD. WELD IN FLOW LINE.
	18:00 - 19:00	1.00	D	09		PRESSURE TEST MANIFOLD VALVES LOW 250 PSI F/10 MINUTES & HIGH 5000 PSI F/10 MINUTES
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING
	19:15 - 20:15	1.00	D	09		PRESSURE TEST MANIFOLD VALVES LOW 250 PSI F/10 MINUTES & HIGH 5000 PSI F/10 MINUTES
	20:15 - 02:00	5.75	D	09		RIG UP TESTER. TEST ANNULAR, KILL LINE, HCR, MANIFOLD VALVES & LINES TO MANIFOLD LOW 250 PSI F/10 MINUTES & HIGH 500 PSI F/10 MINUTES. TEST CASING 250 PSI F/30 MINUTES
	02:00 - 04:00	2.00	D	04		PUT NEW BHA ON PIPE RACKS. STAP & CALIPER ID & OD.
	04:00 - 04:15	0.25	D	18		PRE JOB SAFETY MEETING {PICKING UP BHA}
	04:15 - 06:00	1.75	D	04		PICKUP AND RUN IN NEW BHA
2/16/2010						12 1/4" PDC, TORKBUSTER, M.M., TBR, SHOCK SUB, MULE SHOE, 1 X 8" MONEL WITH EM TOOL, 1 X 8" MONEL WITH PULSAR, TBR, 2 X 8" DC'S, CROSS OVER, DRILLING JARS, 12 X 6 1/2" DC'S & 6X 4 1/2" HWDP
	06:00 - 07:00	1.00	D	04		PICK UP BHA
	07:00 - 07:15	0.25	D	18		PRE JOB SAFETY MEETING
	07:15 - 11:45	4.50	D	04		PICK UP BHA
	11:45 - 12:00	0.25	D	05		TEST MWD TOOL
	12:00 - 12:15	0.25	D	06		PRE JOB SAFETY MEETING ON CUTTING DRILLING LINE
	12:15 - 13:15	1.00	D	06		CUT 58' OF DRILLING LINE
	13:15 - 14:00	0.75	D	04		PICK UP DRILL PIPE, TIH
	14:00 - 16:00	2.00	D	13		DRILLING CEMENT, FLOAT COLLAR, CEMENT, AND FLOAT SHOE. TAGGED CMT AT 945'. DRILLED 10' OF NEW HOLE.
	16:00 - 16:30	0.50	D	08		CIRCULATE HOLE CLEAN FOR FIT
2/17/2010	16:30 - 17:00	0.50	D	09		FORMATION INTEGRITY TEST. MUD WEIGHT 8.4 (WATER) ADDED SURFACE PRESSURE 250 PSI. FOR A PRESSURE GRADIENT OF .69 AND A EQUIVALENT MUD WEIGHT OF 13.22 PPG. DEPTH 1037'.
	17:00 - 18:00	1.00	D	03		DRILLING 12-1/4" HOLE FROM 1027'-1157'.
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING
	19:15 - 00:15	5.00	D	03		MOTOR DRILL 12 1/4" HOLE FROM 1157' TO 1716'
	00:15 - 00:30	0.25	D	06		LUBRICATE RIG
	00:30 - 05:30	5.00	D	03		MOTOR DRILL 12 1/4" HOLE FROM 1716' TO 2235'
	05:30 - 06:00	0.50	D	03		ACCUMULATED CONNECTION & SURVEY TIME
	06:00 - 07:00	1.00	D	03		DRILLING 12-1/4" HOLE FROM 2290'-2357'
	07:00 - 07:15	0.25	D	18		PRE JOB SAFETY MEETING
	07:15 - 11:00	3.75	D	03		DRILLING 12-1/4" HOLE FROM 2357'-2654'
	11:00 - 11:15	0.25	D	06		LUBRICATE RIG, TOP DRIVE, SWIVEL, AND BLOCKS.
	11:15 - 17:00	5.75	D	03		DRILLING 12-1/4" HOLE FROM 2654' TO 3140' CLOSED SYSTEM IN AT 2686' TO MONITOR FOR LOSSES. LOSING APPROXIMATELY 30 BBLs. PER HOUR.
	17:00 - 18:00	1.00	D	18		ACCUMULATED CONNECTION AND SURVEY TIME
	18:00 - 19:00	1.00	D	03		DRILL 12 1/4" HOLE FROM 3140' TO 3209'
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING
	19:15 - 00:45	5.50	D	03		DRILL 12 1/4" HOLE FROM 3209' TO 3583'
	00:45 - 01:00	0.25	D	06		LUBRICATE RIG GREASE BLOCKS, TOP DRIVE & DRAWWORKS
	01:00 - 05:30	4.50	D	03		DRILL 12 1/4" HOLE FROM 3583' TO 3864'

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Operations Summary Report

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Legal Well Name: LAKE FORK RANCH 3-14B4  
Common Well Name: LAKE FORK RANCH 3-14B4  
Event Name: DRILLING  
Contractor Name: PRECISION DRILLING  
Rig Name: PRECISION

Start: 11/12/2009  
Rig Release: 3/29/2010  
Rig Number: 406

Spud Date: 2/15/2010  
End: 3/29/2010  
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/18/2010	06:00 - 07:00	1.00	D	03		DRILLING 12-1/4" HOLE FROM 3864'-3913'
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING
	07:15 - 09:15	2.00	D	03		DRILLING 12-1/4" HOLE FROM 3913'-4052'
	09:15 - 10:00	0.75	D	06		LUBRICATE RIG AND ACCUMULATED CONNECTION AND SURVEY TIME.
	10:00 - 13:15	3.25	D	03		DRILLING 12-1/4" HOLE FROM 4052'-4200'
	13:15 - 14:30	1.25	D	04		CIRCULATE AND CONDITION MUD FOR SHORT TRIP TO SHOE. WORKING PIPE CONSTANTLY.
	14:30 - 18:00	3.50	D	04		SHORT TRIP TO CASING SHOE AT 1027'.
	18:00 - 19:00	1.00	D	07		FILL PIPE. WASH & REAM
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING
	19:15 - 21:00	1.75	D	07		WASH AND REAM FROM 4140' TO 4200'
	21:00 - 22:00	1.00	D	08		PUMP SWEEP CIRCULATE HOLE CLEAN
	22:00 - 01:30	3.50	D	04		CHECK FLOW. PUMP PILL. POOH TO 291'
	01:30 - 01:45	0.25	D	04		PRE JOB SAFETY MEETING {LAYING DOWN 8" DRILL COLLARS & DIRECTIONAL TOOLS}
	01:45 - 05:00	3.25	D	04		LAYDOWN 8" BHA
2/19/2010	05:00 - 05:30	0.50	D	12		CLEAN RIG FLOOR & HELD SAFETY MEETING ON RIGGING UP TESCO CASING TOOLS
	05:30 - 06:00	0.50	D	12		RIG UP CASING TOOLS TO RUN 9 5/8" CASING
	06:00 - 07:00	1.00	D	12		RIG UP TESCO RUNNING TOOL
	07:00 - 07:15	0.25	D	18		PRE JOB SAFETY MEETING WITH TESCO AND RIG CREWS.
	07:15 - 08:45	1.50	D	12		RIG UP TESCO RUNNING TOOL AND SET TORQUE
	08:45 - 13:15	4.50	D	12		MAKE UP FLOAT SHOE, FLOAT COLLAR, RESET TORQUE ON TOP DRIVE AND RUN CASING. RAN 96 JOINTS OF 40# / FOOT P-110 LTC CASING, TOTAL LENGTH 4198.93, FLOAT SHOE 1.80, AND FLOAT COLLAR 1.81. TOTAL LENGTH 4202.54'. TORQUE 8290 FT-LB.
	13:15 - 13:45	0.50	D	12		BREAK CIRCULATION AT 2430' AND CIRCULATE BOTTOMS UP.
	13:45 - 16:00	2.25	D	12		LARGE AMOUNTS OF CUTTINGS OVER SHAKER, FULL RETURNS. CONTINUE RUNNING CASING
	16:00 - 16:45	0.75	D	12		WASH CASING 50' TO BOTTOM
	16:45 - 18:15	1.50	D	12		CIRCULATE AND CONDITION MUD, WORKING CASING CONSTANTLY.
	18:15 - 19:00	0.75	D	12		CIRCULATE CASING AND RIG DOWN TESCO RUNNING TOOL
	19:00 - 19:15	0.25	D	18		RIG UP SCHLUMBERGER CEMENTING HEAD AND CIRCULATING HOSE
	19:15 - 20:15	1.00	D	14		PRE TOUR SAFETY MEETING
	20:15 - 23:00	2.75	D	14		CHANGE BAILS ON TOP DRIVE FROM SHORT TO LONG. ATTACH 500 TON ELEVATORS.
						HELD 3RD PARTY SAFETY MEETING. CEMENT 4200' 9 5/8" CASING WITH 20 BBLs 9.7 PPG MUD PUSH, 515 SKS 11.0 PPG LEAD + ADDS
	23:00 - 06:00	7.00	D	14		YEILD = {3.98} WATER = {25.66 GALS/SK} 201 SKS 10-0 RFC @14.2 PPG TAIL CEMENT YEILD = {1.61} WATER = {8.068 GALS/SK} DROP PLUG ON FLY AND DISPLACE WITH 315.4 BBLs RESERVE PIT WATER. BUMPED PLUG 500 PSI OVER. CHECK FLOATS. HELD OK. RESIPRICATED CASING 15' THROUGH OUT ENTIRE JOB WITH FULL RETURNS. EST 55 BBLs CEMENT TO PIT

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Common Well Name: LAKE FORK RANCH 3-14B4  
Event Name: DRILLING  
Contractor Name: PRECISION DRILLING  
Rig Name: PRECISION

Start: 11/12/2009  
Rig Release: 3/29/2010  
Rig Number: 406

Spud Date: 2/15/2010  
End: 3/29/2010  
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/20/2010	06:00 - 07:00	1.00	D	15		NIPPLE DOWN BOPE. ROTATING HEAD, ANNULAR, AND DRILLING CROSS.
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING
	07:15 - 12:00	4.75	D	15		NIPPLE DOWN BOPE. ROTATING HEAD, ANNULAR, AND DRILLING CROSS.
	12:00 - 14:15	2.25	D	10		CUT OFF 9-5/8" CASING, 13-3/8" CASING. WELD "A" SECTION ON 9-5/8" AND PRESSURE TEST. PRESSURE TEST TO 2400 PSI FOR 10 MINUTES. OK.
	14:15 - 15:00	0.75	D	14		PUT CEMENT BETWEEN 13-3/8" CASING AND 9-5/8" CASING.
	15:00 - 19:00	4.00	D	15		NIPPLE UP 11" 10K BOPE
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING
	19:15 - 01:00	5.75	D	15		NIPPLE UP 11" 10K BOPE. (SINGLE RAM, DOUBLE RAM, ANNULAR-5K, AND 11" 5 K ROTATING HEAD. BOLTS TORQUED BETWEEN "B" AND SINGLE AND DOUBLE AND ANNULAR. PICKUP SINGLE JOINT AND RUN IN AND SET TEST PLUG. FILL BOP WITH H2O
	01:00 - 05:00	4.00	D	15		WEATHERFORD TESTER ON LOCATION MODIFY & FABRICATE FLOW LINE. UNABLE TO START TESTING WITH WELDER STILL WORKING ON FLOW LINE {SET BHA ON PIPE RACKS. STRAP AND CALIPER}
	05:00 - 05:15	0.25	D	09		PRE JOB SAFETY MEETING {TESTING WITH HIGH PRESSURE}
	05:15 - 06:00	0.75	D	09		START TESTING 10K BOPE - FIRST TEST PIPE RAM'S AND INSIDE LOWER KELLY VALVE 250 PSI LOW AND 10K HIGH F/10 MINS.
2/21/2010	06:00 - 07:00	1.00	DT	53		TRY TO PRESSURE TEST. UNABLE TO PRESSURE TEST. PULL TEST PLUG, MEASURE OUT, PLUG NOT SEATED, "O" RING MISSING. MEASURED PLUG IN. HUNG UP 2' ABOVE SEAT, WORKED TO BOTTOM, SEATED.
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING
	07:15 - 15:00	7.75	D	09		PRESSURE TEST BOP STACK 250 LOW AND 5000 HIGH ON ALL VALVES ON STACK, BOTH SETS OF PIPE RAMS, BLIND RAMS, TIW VALVE, UPPER KELLY VALVE, MANUAL UPPER KELLY VALVE, AND INSIDE BOP. PRESSURE TEST ANNULAR 250 LOW AND 2500 HIGH. ALL TESTS CHARTED AND EACH TEST FOR 10 MINUTES.
	15:00 - 15:30	0.50	D	09		ACCUMULATOR FUNCTION TEST.
	15:45 - 16:00	0.25	D	09		PRESSURE TEST CASING 1500PSI FOR 30 MINUTES.
	16:00 - 19:00	3.00	D	04		BOP DRILL. FUNCTION ANNULAR 14 SECONDS, FUNCTION HCR 3 SECONDS.
	19:00 - 19:15	0.25	D	18		PICKUP DIRECTIONAL TOOLS, SCRIBE. PICKUP AND RIH BHA
	19:15 - 20:30	1.25	D	04		PRE TOUR SAFETY MEETING
	20:30 - 20:45	0.25	D	05		RIH TO 957'
	20:45 - 22:15	1.50	D	04		SURFACE TEST MWD TOOLS RIH 8 3/4" DIRECTIONAL BHA TO 4027'
	22:15 - 22:30	0.25	D	18		HELD BOP DRILL. MEN IN POSITION AND SECURED WELL 100 SEC.
	22:30 - 23:15	0.75	D	18		PRE JOB SAFETY MEETING {SLIP & CUT DRILL LINE}
	23:15 - 00:00	0.75	D	04		CUT AND SLIP 57.6 FT DRILL LINE
	00:00 - 00:30	0.50	D	13		RIH FROM 4027' TO 4125'
	00:30 - 01:00	0.50	D	08		CLEAN OUT CEMENT TO TOP FLOAT @4150'. DRILL OUT FLOAT.
	01:00 - 01:30	0.50	D	09		CLEAN OUT CEMENT TO SHOE @ 4197'. DRILL OUT SHOE. DRILL FROM 4197' TO 4207'
						CIRCULATE HOLE CLEAN FOR FIT
						PICKUP INTO CASING. CLOSE PIPE RAM'S. FORMATION INTEGRITY TEST. FRESH WATER 8.4 PPG. ADDED SURFACE

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EL PASO PRODUCTION  
Operations Summary Report

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Legal Well Name: LAKE FORK RANCH 3-14B4

Common Well Name: LAKE FORK RANCH 3-14B4

Event Name: DRILLING

Contractor Name: PRECISION DRILLING

Rig Name: PRECISION

Start: 11/12/2009

Rig Release: 3/29/2010

Rig Number: 406

Spud Date: 2/15/2010

End: 3/29/2010

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/21/2010	01:00 - 01:30	0.50	D	09		PRESSURE 1500 PSI. PRESSURE GRADIENT OF 0.8 WITH AN EQUIVALENT MUD WEIGHT OF 15.27 PPG.
	01:30 - 03:15	1.75	D	03		DRILL 8 3/4" HOLE FROM 4207' TO 4318'
	03:15 - 03:30	0.25	D	06		LUBRICATE RIG. GREASE TOP DRIVE, BLOCKS & SWIVEL (CHECK FLOW, NO WATER FLOW'S)
	03:30 - 05:45	2.25	D	03		DRILL 8 3/4" HOLE FROM 4318' TO 4473'
2/22/2010	05:45 - 06:00	0.25	D	03		ACCUMULATED CONNECTION & SURVEY TIME
	06:00 - 07:00	1.00	D	03		DRILLING 8 3/4" HOLE FROM 4473'-4480'
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING
	07:15 - 09:15	2.00	D	03		DRILLING 8 3/4" HOLE FROM 4480'-4685'
	09:15 - 09:30	0.25	D	06		LUBRICATE RIG FUNCTION UPPER 3 SECONDS
	09:30 - 17:00	7.50	D	03		DRILLING 8 3/4" HOLE FROM 4685' TO 5260'
	17:00 - 18:00	1.00	D	03		ACCUMULATED CONNECTION AND SURVEY TIME
	18:00 - 19:00	1.00	D	03		DRILLING 8 3/4" HOLE FROM 5260' TO 5330'
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING
	19:15 - 23:30	4.25	D	03		DRILLING 8 3/4" HOLE FROM 5330' TO 5653'
	23:30 - 23:45	0.25	DT	60		WORK ON #1 PUMP
	23:45 - 00:00	0.25	D	05		ACCUMULATED CONNECTION & SURVEY TIME
	00:00 - 00:45	0.75	D	03		DRILLING 8 3/4" HOLE FROM 5653' TO 5715'
	00:45 - 01:00	0.25	D	06		LUBRICATE RIG. GREASED TOP DRIVE, BLOCKS & SWIVEL. FUNCTION TEST ANNULAR
2/23/2010	01:00 - 05:30	4.50	D	03		DRILLING 8 3/4" HOLE FROM 5715' TO 6181'
	05:30 - 06:00	0.50	D	05		ACCUMULATED CONNECTION & SURVEY TIME
	06:00 - 07:00	1.00	D	03		DRILLING 8-3/4" HOLE FROM 6181'-6224'
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING
	07:15 - 08:45	1.50	D	03		DRILLING 12-1/4" HOLE FROM 6224'-6263'
	08:45 - 09:00	0.25	D	06		LUBRICATE RIG FUNCTION UPPER 3 SECONDS.
	09:00 - 17:00	8.00	D	03		DRILLING 8-3/4" HOLE FROM 6263'-7020'. LARGE AMOUNTS OF PARAFIN FROM 6620' AS PER MUD LOGGER. LARGE AMOUNTS OF PARAFIN AND OIL ON TOP OF RESERVE PIT.
	17:00 - 18:00	1.00	D	03		ACCUMULATED CONNECTION AND SURVEY TIME
	18:00 - 19:00	1.00	D	03		DRILL F/ 7031'-7120'
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING (MIXING IN HOPPER)
	19:15 - 23:30	4.25	D	03		DRILL F/ 7120'-7455'. (20:15 CLOSE IN CIRC SYSTEM, MONITOR LOSSES @ 24 BBLS/HR) CONTINUE PUMPING SWEEPS EVERY SECOND CONNECTION
	23:30 - 00:00	0.50	D	03		ACCUM SUREYS & CONNECTION TIME.
	00:00 - 02:45	2.75	D	03		DRILLING F/ 7455'-7580'
	02:45 - 03:00	0.25	D	06		RIG SERVICE FUNCTION ANNULAR 18 SEC. GREASE TOP DRIVE, BLOCKS, SWIVEL
2/24/2010	03:00 - 04:00	1.00	D	03		DRILL F/ 7580'-7673'. CONNECTION GAS 2076 UNITS BACK GROUND 325 UNITS.
	04:00 - 04:45	0.75	DT	65		WORK ON #1 PUMP. WORK DRILL STRING
	04:45 - 05:30	0.75	D	03		DRILL F/ 7673' - 7735'
	05:30 - 06:00	0.50	D	03		ACCUM SURVEY & CONNECTION
	06:00 - 07:00	1.00	D	03		DRILLING 8-3/4" HOLE FROM 7735'-7762'
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING
	07:15 - 10:30	3.25	D	03		DRILLING 8-3/4" HOLE FROM 7762'-7855'
	10:30 - 10:45	0.25	D	06		LUBRICATE RIG, FUNCTION UPPER 3 SECONDS.
	10:45 - 17:00	6.25	D	03		DRILLING 8-3/4" HOLE FROM 7855'-
	17:00 - 18:00	1.00	D	03		ACCUMULATED CONNECTION AND SURVEY TIME.
	18:00 - 19:00	1.00	D	03		DRILL F/ 8170'-8232'
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING(WORKING ON PUMPS)

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Legal Well Name: LAKE FORK RANCH 3-14B4

Common Well Name: LAKE FORK RANCH 3-14B4

Event Name: DRILLING

Contractor Name: PRECISION DRILLING

Rig Name: PRECISION

Start: 11/12/2009

Rig Release: 3/29/2010

Rig Number: 406

Spud Date: 2/15/2010

End: 3/29/2010

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/24/2010	19:15 - 23:30	4.25	D	03		DRILL F/ 8232'-8430'
	23:30 - 00:00	0.50	D	03		ACCUM SURVEY & CONNECTION TIME
	00:00 - 01:30	1.50	D	03		DRILL F/ 8430'-8512'
	01:30 - 01:45	0.25	D	06		RIG SERVICE. FUNCTION ANNULAR 18 SEC. GREASE BLOCKS, TOP DRIVE, SWIVEL
	01:45 - 05:30	3.75	D	03		DRILL F/ 8512'-8760'
2/25/2010	05:30 - 06:00	0.50	D	03		ACCUM SURVEYS & CONNECTION TIME
	06:00 - 07:00	1.00	D	03		DRILLING 8-3/4" HOLE FROM 8760'-8787'
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING (LOCKOUT PROCEDURES)
	07:15 - 09:00	1.75	D	03		DRILLING 8-3/4" HOLE FROM 8787'-8880'
	09:00 - 09:15	0.25	D	06		LUBRICATE RIG. FUNCTION UPPER 3 SECONDS
	09:15 - 12:15	3.00	D	03		DRILLING 8-3/4" HOLE FROM 8880'-8995'
	12:15 - 12:30	0.25	DT	60		CHANGE OUT POP OFF VALVE.
	12:30 - 17:15	4.75	D	03		DRILLING 8-3/4" HOLE FROM 8995'-9167'. MUD UP @ 9000'
	17:15 - 18:00	0.75	D	03		ACCUMULATED CONNECTION AND SURVEY TIME
	18:00 - 19:00	1.00	D	03		DRILLING F/ 9167'-9180'
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING (LOCK OUT PROCEDURE)
	19:15 - 23:30	4.25	D	03		DRILL F/ 9180'-9315'
	23:30 - 00:00	0.50	D	05		ACCUM SURVEYS & CONNECTION TIME
	00:00 - 04:30	4.50	D	03		DRILL F/ 9315'-9443'
	04:30 - 04:45	0.25	D	06		RIG SERVICE FUNCTION ANNULAR 18 SEC.
2/26/2010	04:45 - 05:45	1.00	D	03		DRILL F/ 9443'-9474. BACK GROUND 914 UNITS CONNECTION 3324
	05:45 - 06:00	0.25	D	03		ACCUM SURVEYS & CONNECTION TIME
	06:00 - 06:15	0.25	D	03		DRILLING 8-3/4" HOLE FROM 9474'-9483'
	06:15 - 06:45	0.50	DT	60		WORK ON #2 PUMP, WORK STRING, 1 PUMP ON HOLE. CHANGE OUT POP OFF VALVE.
	06:45 - 07:00	0.25	D	03		DRILLING FROM 8-3/4" HOLE FROM 9483'-9485'
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING (PRESSURE WASHING)
	07:15 - 09:00	1.75	D	03		DRILLING 8-3/4" HOLE FROM 9485'-9530'
	09:00 - 09:15	0.25	D	06		LUBRICATE RIG FUNCTION UPPER 3 SECONDS.
	09:15 - 11:15	2.00	D	03		DRILLING 8-3/4" HOLE FROM 9530'-9572'
	11:15 - 12:00	0.75	D	08		CIRCULATE BOTTOMS UP FOR BIT TRIP
	12:00 - 19:00	7.00	D	04		TRIP OUT OF HOLE. PUMP TRIP PILL 5 STANDS OUT, FLOW CHECKS AT 9166', 5072', 1260'
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING.
	19:15 - 21:30	2.25	D	04		POOH. BREAK OFF PDC & TORQUE BUSTER. MAKE UP # 3 PDC. RIH. TRIP MUD CALC 83.08 BBLs. MEAS 137BBLs. 53.93 BBLs DIFF.
	21:30 - 22:00	0.50	D	04		INSTALL MWD SURVEY TOOLS.
	22:00 - 23:15	1.25	D	04		RIH TO 952'
2/27/2010	23:15 - 23:30	0.25	D	04		TEST MWD TOOLS @ 952'.
	23:30 - 00:45	1.25	D	04		RIH TO 4220'
	00:45 - 01:30	0.75	D	08		F/C & CIRCULATE BOTTOMS UP.
	01:30 - 03:45	2.25	D	04		RIH 4220'-9341'
	03:45 - 04:45	1.00	D	08		BREAK CIRC. & WASH TO BOTTOM NO FILL
	04:45 - 05:45	1.00	D	03		DRILL F/ 9572'-9620'
	05:45 - 06:00	0.25	D	06		RIG SERVICE.
	06:00 - 07:00	1.00	D	03		DRILLING 8-3/4" HOLE FROM 9620'-9659'
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING (RIG SERVICE)
	07:15 - 10:15	3.00	D	03		DRILLING 8-3/4" HOLE FROM 9659'-9806'
	10:15 - 10:30	0.25	D	06		LUBRICATE RIG FUNCTION UPPER 3 SECONDS
	10:30 - 17:00	6.50	D	03		DRILLING 8-3/4" HOLE FROM 9806'-
	17:00 - 18:00	1.00	D	03		ACCUMULATED CONNECTION AND SURVEY TIME.

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EL PASO PRODUCTION  
Operations Summary Report

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Legal Well Name: LAKE FORK RANCH 3-14B4  
Common Well Name: LAKE FORK RANCH 3-14B4  
Event Name: DRILLING  
Contractor Name: PRECISION DRILLING  
Rig Name: PRECISION

Start: 11/12/2009  
Rig Release: 3/29/2010  
Rig Number: 406  
Spud Date: 2/15/2010  
End: 3/29/2010  
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/27/2010	18:00 - 19:00	1.00	D	03		DRILL F/ 10204'-10260'
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING (REVIEW JSA #111 USING BOOM LINE)
	19:15 - 22:00	2.75	D	03		DRILL F/ 10260'-10372'
	22:00 - 22:15	0.25	D	06		RIG SERVICE FUNCTION ANNULAR 18 SEC. & LOWER PIPE RAMS 6 SEC.
	22:15 - 23:30	1.25	D	03		DRILL F/ 10372'-10466'. GAS TO 8488 UNITS, DIVERT FLOW TO GAS BUSTER. 1 FT GAS FLARE.
	23:30 - 00:00	0.50	D	05		ACCUM SURVEYS & CONNECTION TIMES.
	00:00 - 03:30	3.50	D	03		DRILL F/ 10466'-10652'
	03:30 - 03:45	0.25	D	06		RIG SERVICE. FUNCTION ANNULAR 18 SEC.
	03:45 - 05:00	1.25	DT	65		WORK ON # 22 PUMP. WORK STRING.
	05:00 - 05:45	0.75	D	03		DRILL F/ 10652'-10714'
2/28/2010	05:45 - 06:00	0.25	D	05		ACCUM SURVEYS & CONNECTION TIME
	06:00 - 06:30	0.50	D	03		DRILLING 8-3/4" HOLE FROM 10,714'-10,740'. TD 8-3/4" HOLE
	06:30 - 07:00	0.50	D	08		CIRCULATE AND CONDITION MUD. RAISING MUD WEIGHT TO 9.8 PPG.
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING
	07:15 - 12:15	5.00	DT	55		CIRCULATE AND CONDITION MUD. RAISING MUD WEIGHT TO CONTROL BACK GROUND GAS.
	12:15 - 17:00	4.75	D	04		SHORT TRIP. PUMP TRIP PILL. FLOW CHECKS @ 10710', 10,282', 4355'
	17:00 - 18:15	1.25	D	06		SLIP AND CUT DRILLING LINE.
	18:15 - 19:00	0.75	D	04		RIH
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING (RIH)
	19:15 - 20:00	0.75	D	04		RIH TO 7550'
3/1/2010	20:00 - 20:15	0.25	D	04		F/C. FILL PIPE, BREAK CIRC.
	20:15 - 21:30	1.25	D	04		RIH F/ 7550'-10550'
	21:30 - 22:00	0.50	D	04		WASH TO BOTTOM. NO FILL
	22:00 - 02:00	4.00	D	08		CIRC & CONDITION MUD. WORK STRING.
	02:00 - 06:00	4.00	D	04		F/C, PULL 56 STANDS F/C, PUMP PILL POOH. STRAP OUT.
	06:00 - 07:00	1.00	D	04		TRIP TO SHOE. TIGHT SPOT AT 5430'. WORK THROUGH TIGHT SPOT SEVERAL TIMES. PULL UP TO SHOE.
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING (TRIP IN HOLE)
	07:15 - 08:00	0.75	DT	56		TRIP IN HOLE TO 5430'. START REAMING 1 STAND ABOVE TIGHT SPOT. REAM THROUGH TIGHT SPOT. WORKED THROUGH TIGHT SPOT SEVERAL TIMES. LOSING MUD AT THIS POINT.
	08:00 - 11:00	3.00	DT	56		CIRCULATE AND CONDITION MUD, WORKING PIPE CONTINUOUSLY, BUILDING VOLUME 45 VISCOSITY, 10.0 PPG MUD WEIGHT, AND 15% LCM. RAISING MUD WEIGHT WITH CALCARB. LOST APPROXIMATELY 95 BBLs. OF MUD.
	11:00 - 12:00	1.00	DT	56		TRIP IN HOLE 15 STANDS TO 6800, WOULD NOT DISPLACE GOING IN. BREAK CIRCULATION.
	12:00 - 13:15	1.25	DT	56		WORK PIPE CONTINUOUSLY AND BUILD VOLUME.
	13:15 - 15:30	2.25	DT	56		TRIP IN HOLE FROM 6800' TO 10,740' (TD). HOLE DISPLACED PROPERLY GOING IN.
	15:30 - 15:45	0.25	DT	56		FILL PIPE AND WASH LAST 2 STANDS TO BOTTOM.
	15:45 - 19:00	3.25	DT	56		CIRCULATE AND CONDITION MUD. BUILDING VOLUME, WORKING PIPE CONTINUOUSLY. NO LOSSES.
	19:00 - 19:15	0.25	DT	56		PRE TOUR SAFETY MEETING. (TRIPPING OUT OF HOLE) REVIEW JSA #2
	19:15 - 19:30	0.25	DT	56		CIRCULATE AND CONDITION MUD. BUILDING VOLUME, WORKING PIPE CONTINUOUSLY. NO LOSSES.

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# EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: LAKE FORK RANCH 3-14B4  
Common Well Name: LAKE FORK RANCH 3-14B4  
Event Name: DRILLING  
Contractor Name: PRECISION DRILLING  
Rig Name: PRECISION

Spud Date: 2/15/2010  
Start: 11/12/2009 End: 3/29/2010  
Rig Release: 3/29/2010 Group:  
Rig Number: 406

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/1/2010	19:30 - 00:00	4.50	DT	56		F/C. PULL 5 STAND, F/C, PUMP PILL, BLOW KELLY W/ AIR. POOH. F/C @ 10736', 10286', 7476', 4220'. TIGHT SPOT @ 5632'. STRAP OUT. BOARD 9878.21', MEAS. 9877.07'. DIFF -1.14'. TRIP MUD CAL 90.54 BBLs. MEAS 106.65 BBLs. DIFF +16.2 BBLs
	00:00 - 04:15	4.25	DT	56		POOH.
	04:15 - 04:30	0.25	D	04		HELD SAFETY MEETING, ON LAYING DOWN DIRECTION TOOLS. JSA 85
	04:30 - 04:45	0.25	D	04		LAY DOWN DIRECTIONAL TOOLS.
	04:45 - 06:00	1.25	D	11		SAFETY MEETING W/ LOGGERS. RIG IN LOGGERS. MONITOR WELL WHILE RIGGING IN & LOGGING.
3/2/2010	06:00 - 08:15	2.25	D	11		TRIP IN HOLE WITH LOGS. BRIDGES FROM 4400'-6000'. ON BOTTOM WITH LOG AT 0815. LOGGER'S TD 10,750'
	08:15 - 12:45	4.50	D	11		LOG WITH HALLIBURTON. (DR-DSN-SDL-ACRT)
	12:45 - 13:00	0.25	D	06		BOP DRILL, WELL SECURE 110 SECONDS. FUNCTION ANNULAR 18 SECONDS. FUNCTION HCR 3 SECONDS.
	13:00 - 17:15	4.25	D	04		MAKE UP BHA AND TIH.
	17:15 - 18:00	0.75	D	08		FILL PIPE, BREAK CIRCULATION, AND CIRCULATE BOTTOMS UP AT 9-5/8" CASING SHOE. FULL RETURNS.
	18:00 - 18:15	0.25	D	04		RIH
	18:15 - 19:00	0.75	DT	56		REAM THROUGH TIGHT SPOTS @ 4470', 4468', 4524'
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING (TRIPPING IN. REVIEW JSA 1)
	19:15 - 00:00	4.75	DT	56		REAM THROUGH TIGHT SPOTS @ 4470', 4468', 4524'
	00:00 - 03:15	3.25	DT	56		REAM THROUGH TIGHT SPOTS @ 4486' 4524', 4675'
3/3/2010	03:15 - 05:00	1.75	D	04		RIH /F/ 4675' - 7683'
	05:00 - 05:15	0.25	D	06		BOP DRILL, WELL SCURED, MEN IN POSTION 100 SEC. FUNCTION ANNULAR 18 SEC.
	05:15 - 06:00	0.75	D	08		FILL PIPE, BREAK CIRC, CIRC BOTTOMS UP @ 7683'
	06:00 - 07:00	1.00	D	04		TRIP IN HOLE
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING (TRIP IN HOLE)
	07:15 - 08:00	0.75	D	04		TRIP IN HOLE
	08:00 - 08:30	0.50	D	08		FILL DRILL PIPE AND WASH TO BOTTOM (LAST 2 STANDS) 20' OF FILL.
	08:30 - 11:00	2.50	D	08		CIRCULATE AND CONDITION MUD TO LDDP. BOTTOMS UP 25' FLAME.
	11:00 - 11:45	0.75	D	04		FLOW CHECK, STAND BACK 5 STANDS IN DERRICK. FLOW CHECK, MIX TRIP PILL
	11:45 - 18:00	6.25	D	04		LAY DOWN DRILL PIPE FROM 10,740'-1200'.
	18:00 - 18:30	0.50	D	04		LAYDOWN DRILL STRING.
	18:30 - 18:45	0.25	D	04		RUN IN STANS FROM DERRICK
	18:45 - 19:00	0.25	D	04		BOLW KELLY
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING. (SLIP & CUT)
	19:15 - 19:45	0.50	D	06		SLIP & CUT 57.6 FT
3/4/2010	19:45 - 22:30	2.75	D	04		LAY DOWN DRILL STRING & BHA.
	22:30 - 00:00	1.50	D	12		RIG UP FLOOR FOR RUNNING 7" CSG, HELD SAFETY MEETING ON RUN 7" CSG. TRIP MUD CAL. 85.37 BBLs. MEAS. 113.62 BBLs. DIFF 28.25 BBLs.
	00:00 - 01:00	1.00	D	12		RIG IN TESCO CSG TOOLS.
	01:00 - 06:00	5.00	D	12		MAKE UP SHOE & FLOAT COLLAR. RUN 237 JT 7" 29 LB P110 8 RD LT&C CSG. W/ 1 PUP JT & LANDING MADREL. TORQUE CSG TO 7970 FT/LBS. FILL CSG EVERY 10 JTS. RUN CSG @ 1 1/2 MIN PER JT.
	06:00 - 09:00	3.00	D	12		RUNNING 7" CASING FROM 2364'-4197'.
	09:00 - 09:45	0.75	D	08		FILL PIPE AND BREAK CIRCULATION AT THE SHOE (4197') FULL

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# EL PASO PRODUCTION Operations Summary Report

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Legal Well Name: LAKE FORK RANCH 3-14B4  
Common Well Name: LAKE FORK RANCH 3-14B4  
Event Name: DRILLING  
Contractor Name: PRECISION DRILLING  
Rig Name: PRECISION

Start: 11/12/2009  
Rig Release: 3/29/2010  
Rig Number: 406

Spud Date: 2/15/2010  
End: 3/29/2010  
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/4/2010	09:00 - 09:45	0.75	D	08		RETURNS.
	09:45 - 14:15	4.50	D	12		CONTINUE RUNNING 7" CASING FROM 4197'-7600'.
	14:15 - 15:15	1.00	D	08		FILL PIPE, CIRCULATE BOTTOMS UP AT 7600'.
	15:15 - 19:00	3.75	D	12		RUNNING CASING FROM 7600'- 10620'. RAN 236 JOINTS OF 7" 29# PER FOOT P-110 LTC CASING TOTAL LENGTH 10,706.55', FLOAT SHOE 1.40', FLOAT COLLAR 1.78', PUP JOINT 2.99', AND LANDING MANDREL 0.74, FOR A TOTAL OF 10,713.46'. SET AT 10,730.46'.
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING (RUNNING CSG)
	19:15 - 19:45	0.50	D	12		INSTALL ROTATING HEAD.
	19:45 - 20:30	0.75	D	07		WASH TO BOTTOM
	20:30 - 00:00	3.50	D	07		TAG BRIDGE @ 10668' WASH THROUGH.
	00:00 - 00:15	0.25	D	07		WASH TROUGH TAGGED BOTTOM. CIRC GAS UP 1126 UNITS
	00:15 - 00:30	0.25	D	12		DROP BACK DOWN TO 172 UNITS
	00:30 - 01:45	1.25	D	12		REMOVE ROTATING HEAD
	01:45 - 02:15	0.50	D	12		LAY OUT 2 JTS CSG. & MAKE UP LANDING JT
	02:15 - 02:30	0.25	D	18		CIRC CSG & LAND MANDREL
	02:30 - 02:45	0.25	D	08		SAFETY MEETING (RIG OUT TESCO TOOLS)
	02:45 - 04:30	1.75	D	12		RIG UP CEMENT HEAD.
	04:30 - 04:45	0.25	D	14		CIRC CSG & RIG OUT TESCO. INSTALL BAILS & ELEVATORS
	04:45 - 06:00	1.25	D	14		RIG IN CEMENTERS
3/5/2010						CEMENT W/ 355 SKS 11 LB EXTENDED LEAD, 205 SKS 12.5 LB INTERMEDIATE TAIL
	06:00 - 08:00	2.00	D	14		CEMENT WITH SCHLUMBERGER. 20 BBLs. OF 10.3 PPG MUD
						PUSH, 355 SACKS 11.0 PPG LEAD (2#/BBL. CEMNET PLUS
						ADDITIONAL ADDITIVES. YIELD = (3.95) WATER (25.47 GALLONS
						PER SACK), 205 SACKS 15:85 POZ G WITH 2#/BBL. CEMNET PLUS
						ADDITIONAL ADDITIVES @ 12.5 PPG YIELD = (12.46 GALLONS PER
						SACK). DISPLACE WITH 10 BBLs OF WATER, THEN 387 BBLs. OF
						PIT WATER. PLUG DID NOT BUMP. WENT 1.7 BBLs. OVER
						DISPLACEMENT (SHOE TRACK) DID NOT BUMP. FLOWED BACK 3
						BBLs. TO CHECK FLOATS, FLOATS DID NOT HOLD. PUMPED BACK
						3 BBLs. CHECKED FLOATS FOR SECOND TIME. DID NOT HOLD.
						PUMPED BACK 3 BBLs. FLOWED BACK 1.5 BBLs. SHUT WELL IN.
						PRESSURE ON CASING WHEN SHUT IN 1280 PSI.
	08:00 - 13:00	5.00	D	14		WOC. PRESSURE TESTING CHOKE MANIFOLD WITH
						WEATHERFORD, CHANGE 4-1/2" PIPE RAMS TO 3-1/2". PUT 3-1/2"
	13:00 - 13:15	0.25	D	14		DRILL PIPE ON RACKS. STRAP AND CALIPER 4-3/4" BHA.
	13:15 - 15:00	1.75	D	10		300 PSI LEFT ON CASING. BLED CASING OFF SLOWLY. BLED OFF
						COMPLETELY, LESS THAN HALF A BARREL FLOWED BACK.
	15:00 - 17:30	2.50	D	09		BACKED OFF LANDING JOINT, INSTALLED PACKOFF ASSEMBLY,
	17:30 - 18:00	0.50	D	09		AND PRESSURE TESTED TO 5000 PSI FOR 10 MINUTES. OK.
	18:00 - 19:00	1.00	D	09		CHANGE OUT BALES AND SAVER SUB, SET TOP DRIVE.
	19:00 - 19:15	0.25	D	18		MAKE UP TEST PLUG AND INSTALL.
	19:15 - 00:00	4.75	D	09		TEST LOWER PIPE RAMS, 250 PSI LOW, 10000 PSI HIGH
						PRE TOUR SAFETY MEETING, (PRESSURE TESTING)
						PRESS TEST BOPS INSIDE BOP & STABING VALVE 250 PSI LOW
						10000 PSI HIGH. (CHANGE OUT BONNET SEAL ON BLIND RAMS &
						SEAL ON TESTING SUB). PRESS TEST ANNULAR TO 5000 PSI,
	00:00 - 05:30	5.50	D	09		CSG TO 2500 PSI FOR 30 MIN.
	05:30 - 05:45	0.25	D	09		PRESS TEST BOPS. ANNULAR FAILED. DAMAGE ELEMENT
	05:45 - 06:00	0.25	D	09		BOP DRILL, WELL SECURE 100 SEC. FUNCTION HCR 3 SEC.
						FUNCTION ANNULAR 16 SEC,
						PRESSURE TEST CSG TO 2500 PSI. FOR 30 MIN

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Legal Well Name: LAKE FORK RANCH 3-14B4  
Common Well Name: LAKE FORK RANCH 3-14B4  
Event Name: DRILLING  
Contractor Name: PRECISION DRILLING  
Rig Name: PRECISION

Start: 11/12/2009  
Rig Release: 3/29/2010  
Rig Number: 406

Spud Date: 2/15/2010  
End: 3/29/2010  
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/6/2010	06:00 - 07:00	1.00	D	09		PRESS TEST BOP, & INSIDE BOP & SAFETY VALVE.
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING
	07:15 - 08:45	1.50	D	09		PRESS TEST BOP, & INSIDE BOP & SAFETY VALVE.
	08:45 - 09:30	0.75	D	09		PRESS TEST CSG TO 2500 PSI FOR 30 MINS.
	09:30 - 15:30	6.00	DT	65		TEAR OUT ROTATING HEAD & FLOW LINE. PULL CAP ON ANNULAR, PULL OUT ANNULAR ELEMENT. WAIT FOR ELEMENT. INSTALL ELEMENT & ROTATING HEAD.
	15:30 - 17:00	1.50	D	09		PRESS TEST ANNULAR TO 250 PSI LOW & 2500 PSI HIGH. FUINCTION TEST ACUMMULATOR
	17:00 - 19:00	2.00	D	04		MAKEUP BIT, STRAIGHTEN M.M., PICKUP DIRECTIONAL TOOLS AND BHA
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING
	19:15 - 22:00	2.75	D	04		PICKUP AND RIH 3 1/2" DRILL PIPE
	22:00 - 22:15	0.25	D	04		CHANGE DIES IN RENTAL SLIPS
3/7/2010	22:15 - 03:45	5.50	D	04		PICKUP AND RIH 3 1/2" DRILL PIPE TO 7322'
	03:45 - 06:00	2.25	DT	60		THAW TOP DRIVE
	06:00 - 07:00	1.00	D	04		PICK UP 3 1/2" DP. RIH.
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING
	07:15 - 09:30	2.25	D	04		PICK UP 3 1/2" DP. RIH. TAG CEMENT STRINGER @ 10543 FT
	09:30 - 09:45	0.25	D	04		BOP DRILL W/ CREW. WELL SECURED IN 90 SEC.
	09:45 - 11:00	1.25	D	07		BREAK CIRC, WASH DOWN TO FLOAT COLLAR. DRILL OUT FLOAT COLLAR 10668' & FLOAT SHOE 10718'. NO CEMENT IN SHOE JT. CIRC DOWN TO 10739.5 FT. NO CEMENT.
	11:00 - 13:30	2.50	D	08		CIRC. BOTTOM UP TWICE. W/ 10.1 LB MUD 39 VIS.
	13:30 - 14:30	1.00	D	09		FIT. @ 0.73 PSI/FT. 14.03 MUD DENSITY.
	14:30 - 15:00	0.50	D	03		DRILL AHEAD W/ 6 1/8" PDC. 10739'-10755'
3/8/2010	15:00 - 15:45	0.75	DT	67		REPLACE VALVES IN PUMP
	15:45 - 19:00	3.25	D	03		DRILL F/ 10755'-10810'
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEEETING
	19:15 - 20:30	1.25	D	03		DRILL F/10810' TO 10839'
	20:30 - 20:45	0.25	D	06		LUBRICATE RIG. FUNCTION UPPER PIPE RAM'S {3SEC} FUNCTION LOWER PIPE RAM'S {3SEC}
	20:45 - 23:15	2.50	D	03		DRILL F/10839' TO 10915'
	23:15 - 00:00	0.75	D	03		ACCUMULATED CONNECTION AND SURVEY TIME
	00:00 - 05:30	5.50	D	03		DRILL F/10915' TO 11020'
	05:30 - 06:00	0.50	D	03		ACCUMULATED CONNECTION & SURVEY TIME
	06:00 - 07:00	1.00	D	03		DRILL F/ 11020'-11038'
3/8/2010	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING.
	07:15 - 13:45	6.50	D	03		DRILL F/ 11038'-11125'. MOTOR STALLING. DECREASE WEIGHT INCREASE RPM TO 65. 7-8 ON PDC.
	13:45 - 14:00	0.25	D	06		RIG SERVICE FUNCTION UPPER PIPE RAMS. 8 SEC.
	14:00 - 16:30	2.50	D	03		DRILL F/ 11125'-11149.5'
	16:30 - 19:00	2.50	DT	57		LOST CIRC. MIX & PUMP 60 VIS W/ 30 % LCM 9.9 DENSITY @ 50 STKS/MIN. 17:38 HRS DP @ 25 PSI
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING
	19:15 - 23:00	3.75	DT	57		LOST CIRC. MIX & PUMP 60 VIS WITH 30% LCM 9.9 # DENSITY @50 STRK/MIN
						ESTABLISH RETURNS, CONTINUE CIRCULATING THRU GAS BUSTER
						TOOK 82 BBL GAIN WITH 100+ FLARE, SHUT ANNULAR
						CIRCULATE OUT GAS THRU CHOKE MANIFOLD @RSPP. OPEN ANNULAR CONTINUE CIRC. THRU GAS BUSTER NO LOSSES PUMPING @ 165 GPM. 3RD PARTY GAS @1700 UNITS

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Legal Well Name: LAKE FORK RANCH 3-14B4  
Common Well Name: LAKE FORK RANCH 3-14B4  
Event Name: DRILLING  
Contractor Name: PRECISION DRILLING  
Rig Name: PRECISION

Start: 11/12/2009  
Rig Release: 3/29/2010  
Rig Number: 406  
Spud Date: 2/15/2010  
End: 3/29/2010  
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/8/2010	19:15 - 23:00	3.75	DT	57		NOTE: MUD RETURNS CONTAMINATED WITH LARGE AMOUNT OF CONDENSATE & LIGHT GREEN OIL & PARIFIN . TOTAL LOSSES = 275+ BBLs
	23:00 - 00:00	1.00	D	03		DRILL F/11149' TO 11154'
	00:00 - 00:15	0.25	D	06		BLOW THRU MANIFOLD & LINES TO FLARE STACK. FUNCTION UPPER, LOWER PIPE RAM'S & HRC
3/9/2010	00:15 - 06:00	5.75	D	03		DRILL F/11154' TO 11189'
	06:00 - 06:30	0.50	D	03		DRILL F/11189'-11191'
	06:30 - 07:00	0.50	DT	65		CIRC, REPAIR PUMPS.
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING (LOCK OUT PROCEDURE
	07:15 - 08:45	1.50	DT	65		CIRC, REPAIR PUMPS.
	08:45 - 11:30	2.75	D	03		DRILL F/11191'-11220'
	11:30 - 11:45	0.25	D	06		RIG SERVICE. GREASE TOP DRIVE & DRAWWORKS. FUNCTION ANNULAR 15 SEC
	11:45 - 15:00	3.25	D	03		DRILL F/11220'-11251'. BACK GRUND GAS 1515 UNITS, INCREASE DENSITY
	15:00 - 16:30	1.50	DT	65		CIRC, REPAIR PUMP
	16:30 - 17:45	1.25	D	03		CIRC BOTTOMS UP
	17:45 - 19:00	1.25	D	04		POOH. FLOW CHECK @ 11251', 11180'
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING (POOH)
	19:15 - 23:45	4.50	D	04		POOH WITH FLOW CHECKS @11221', 10848', 5711' & 1517'
	23:45 - 00:00	0.25	D	06		LUBRICATE RIG. FUNCTION ANNULAR
	00:00 - 01:45	1.75	D	04		LAYDOWN DIRECTIONAL TOOLS. BREAK BIT & LAYDOWN MUD MOTOR
3/10/2010	01:45 - 04:00	2.25	D	04		TRIP FLUID MEASURED 101.4 BBLs. CALCULATED 68.77 BBLs. DIFF = 32.63 BBLs
	04:00 - 05:30	1.50	D	04		PICKUP NEW M.M. {CHANGE OUT FLOAT}. STRAIGHTEN M.M. & MAKEUP BIT #6
	05:30 - 06:00	0.50	D	04		RIH BHA. SHALLOW PULSE TEST DIRECTIONAL TOOLS.
	06:00 - 06:30	0.50	D	04		RIH
	06:30 - 07:00	0.50	D	04		RIH
	07:00 - 07:15	0.25	D	18		PULASE TEST SURVEY TOOLS. BLOW KELLY
	07:15 - 08:00	0.75	DT	64		PRE TOUR SAFETY MEETING (RIH)
	08:00 - 10:30	2.50	DT	64		POOH TO RE SEAT MWD TOOL. FLOW CHECK @ 75 FT
	10:30 - 13:45	3.25	D	04		PULASE TEST TOOLS. RIH
	13:45 - 14:15	0.50	D	08		RIH F/C 941'
	14:15 - 15:30	1.25	D	06		FILL PIPE & CIRC.
	15:30 - 16:00	0.50	D	08		SLIP & CUT. 57.6 FT OF DRILL LINE
	16:00 - 17:00	1.00	D	04		CIRC WELL
	17:00 - 17:15	0.25	D	03		RIH. CIRC 2 STAND DOWN. REAM TO BOTTOM 3 FT. FILL
	17:15 - 19:00	1.75	D	03		PATTERN BIT.
	19:00 - 19:15	0.25	D	18		DRILL TO 11270' TO 11294'
	19:15 - 19:45	0.50	D	03		PRE TOUR SAFETY MEETING
	19:45 - 20:00	0.25	D	06		DRILL F/11294' TO 11313'
	20:00 - 22:30	2.50	D	03		LUBRICATE RIG
	22:30 - 06:00	7.50	DT	55		DRILL F/11313' TO 11364'
3/11/2010	06:00 - 07:00	1.00	DT	55		TOOK GAS KICK. 61 BBL GAIN. SHUT IN WELL CASING PRESSURE 1075 PSI DRILL PIPE PRESSURE 440 PSI. OPEN CHOKE
						CIRCULATE 11.3 PPG KILL WEIGHT MUD 2 CIRCULATIONS. WELL STILL NOT KILLED. CIRCULATE 11.3 PPG KILL WEIGHT MUD WITH 1300 PSI CONSTANT DRILL PIPE PRESSURE.
						WELL SHUT IN. REBUILD PUMPS. BUILD VOLUME IN PRE MIX TO

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Legal Well Name: LAKE FORK RANCH 3-14B4

Common Well Name: LAKE FORK RANCH 3-14B4

Event Name: DRILLING

Contractor Name: PRECISION DRILLING

Rig Name: PRECISION

Start: 11/12/2009

Rig Release: 3/29/2010

Rig Number: 406

Spud Date: 2/15/2010

End: 3/29/2010

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/11/2010	06:00 - 07:00	1.00	DT	55		50 VIS 11.4#
	07:00 - 07:15	0.25	DT	55		PRE TOUR SAFETY MEETING
	07:15 - 08:15	1.00	DT	55		WELL SHUT IN. PUMP 11.4# 50 VIS 20% LCM CIRCULATE THRU CHOKE AND GAS BUSTER @RSPP
	08:15 - 14:30	6.25	DT	55		REBUILD PUMPS. DRAIN AND CLEAN SOLIDS AND PARIFIN FROM MUD TANKS. BUILD VOLUME
	14:30 - 18:00	3.50	DT	55		WELL SHUT IN. PUMP 11.4# 50 VIS 20% LCM MUD CIRCULATE THRU CHOKE AND GAS BUSTER @RSPP
	18:00 - 19:00	1.00	DT	55		CIRC THROUGH CHOKE REGAIN CIRC, STILL 20 FT FLARE
	19:00 - 19:15	0.25	DT	55		PRE TOUR SAFETY MEETING
	19:15 - 19:30	0.25	DT	55		CIRC THROUGH CHOKE REGAIN CIRC, STILL 20 FT FLARE
	19:30 - 06:00	10.50	DT	55		SHUT IN WELL. REBUILD PUMPS {CLEAN OUT SUCTIONS, CHANGE OUT HYDRIL DAMPENERS} CLEAN PARFIN FROM TANKS. BUILD VOLUME IN ACTIVE TANKS TO 11.4+ 55 VIS 20+ % LCM. BUILD VOLUME IN PRE MIX 11.4+ 55 VIS.
3/12/2010	06:00 - 07:00	1.00	DT	55		OPEN WELL AND CIRCULATE SURFACE LINES THRU CHOKE EVERY HOUR
	07:00 - 07:15	0.25	DT	55		CIRC THROUGH MANIFOLD SHUT MONITOR
	07:15 - 11:15	4.00	DT	55		PRE TOUR SAFETY MEETING (WELL CONTROL)
	11:15 - 12:15	1.00	DT	55		CIRC THROUGH MANIFOLD SHUT MONITOR
	12:15 - 19:00	6.75	DT	55		CIRC THROUGH MANIFOLD SHUT MONITOR. STRIP 3 STANDS THROUGH ANNULAR TO 11033 FT
	19:00 - 19:15	0.25	DT	55		CIRC THROUGH MANIFOLD SHUT MONITOR
	19:15 - 04:00	8.75	DT	55		PRE TOUR SAFETY MEETING
	04:00 - 05:00	1.00	DT	55		CIRC THROUGH MANIFOLD SHUT MONITOR
	05:00 - 05:30	0.50	DT	55		CIRCULATE THROUGH MANIFOLD WITH 5FT LAZY FLARE. 100% FLUID TO SURFACE. @05:00 MUD RETURNS STILL
	05:30 - 06:00	0.50	DT	55		CONTAMINATED WITH PERIFIN. MUD WEIGHT IN 11.5# 70 VIS 22% LCM OUT MUD WEIGHT 10.5# DUMPING MUD TO PIT UNTIL GOOD MUD AT SHAKER.
3/13/2010	06:00 - 07:00	1.00	DT	55		WORK ON PUMPS
	07:00 - 07:15	0.25	DT	55		CIRCULATE THROUGH MANIFOLD WITH 5FT LAZY FLARE. 100% FLUID TO SURFACE. @05:00 MUD RETURNS STILL
	07:15 - 12:30	5.25	DT	55		CONTAMINATED WITH PERIFIN. MUD WEIGHT IN 11.5# 70 VIS 22% LCM OUT MUD WEIGHT 10.5# DUMPING MUD TO PIT UNTIL GOOD MUD AT SHAKER.
	12:30 - 13:15	0.75	DT	55		FLOW CHECK, CHECK PRESSURE, OPEN WELL & CIRC THROUGH GAS BUSTER
	13:15 - 19:00	5.75	DT	64		PRE TOUR SAFETY MEETING.
	19:00 - 19:15	0.25	DT	64		CIRC WELL THROUGH PILL TANK
	19:15 - 19:30	0.25	DT	64		BLOW MANIFOLD & ALL LINES
	19:30 - 19:45	0.25	DT	60		CIRC & CONDITION MUD, BUILD VOLUME, WORK PIPE
	19:45 - 05:30	9.75	DT	64		PRE TOUR SAFETY MEETING(POOH)
3/14/2010	05:30 - 06:00	0.50	DT	62		CIRCULATE. PUMP WEIGHTED PILL TO DRY PIPE
	06:00 - 07:00	1.00	DT	64		WORK ON PUMPS. CHECK FLOW

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Legal Well Name: LAKE FORK RANCH 3-14B4  
Common Well Name: LAKE FORK RANCH 3-14B4  
Event Name: DRILLING  
Contractor Name: PRECISION DRILLING  
Rig Name: PRECISION

Start: 11/12/2009  
Rig Release: 3/29/2010  
Rig Number: 406

Spud Date: 2/15/2010  
End: 3/29/2010  
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/14/2010	07:00 - 07:15	0.25	DT	64		PRE TOUR SAFETY MEETING (RIH)
	07:15 - 10:00	2.75	DT	64		RIH TO 5046 FT
	10:00 - 11:00	1.00	DT	64		FILL PIPE & CIRC BOTTOMSUP
	11:00 - 13:00	2.00	DT	64		RIH TO 10650 FT
	13:00 - 14:00	1.00	DT	64		FILL PIPE CIRC BOTTOMS UP
	14:00 - 15:30	1.50	DT	64		RIH TO 11133 FT 27 FT FILL. WASH TO BOTTOM.
	15:30 - 19:00	3.50	D	03		DRILL F/ 11364' to 11415'
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING
	19:15 - 23:45	4.50	D	03		DRILL F/11415' TO 11511'
	23:45 - 00:00	0.25	D	06		LUBRICATE RIG. FUNCTION ANNULAR 16 SEC. FUNCTION LOWER PIPE RAM'S 3 SEC
3/15/2010	00:00 - 02:00	2.00	D	03		DRILL F/11511' TO 11566'
	02:00 - 03:00	1.00	D	18		DAYLIGHT SAVING TIME
	03:00 - 06:00	3.00	D	03		DRILL F/11566' TO 11641'
	06:00 - 07:00	1.00	D	03		DRILL F/ 11641'-11656'
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING. ( MIXING & MONITOR WELL)
	07:15 - 08:15	1.00	D	03		DRILL F/ 11656'-11700'
	08:15 - 08:30	0.25	D	06		RIG SERVICE. GREASE CROWN, BLOCKS & TOP DRIVE. FUNCTION UPPER PIPE RAMS 4 SEC.
	08:30 - 17:15	8.75	D	03		DRILL F/ 11700'-11885'. TOOK 35 BBL'S PIT GAIN. GAS UNITS 2400 UNITS. FLOW CHECK
	17:15 - 18:00	0.75	DT	55		SHUT WELL IN. CASING PRESSURE 72 PSI DRILL PIPE 67 PSI. BEGIN CIRC OUT KICK.
	18:00 - 19:00	1.00	DT	55		PUMP 11.9# MUD KILL WEIGHT MUD THRU CHOKE AND GAS BUSTER
3/16/2010	19:00 - 19:15	0.25	DT	53		PRE TOUR SAFETY MEETING
	19:15 - 00:45	5.50	DT	55		CONTINUE CIRCULATING 11.9# KILL WEIGHT MUD. 3' TO 6' LAZY FLARE
	00:45 - 03:00	2.25	DT	55		CONTINUE CIRCULATING 12+ KILL WEIGHT MUD. 3' TO 4' LAZY FLARE
	03:00 - 06:00	3.00	DT	55		CONTINUE CIRCULATING 12.1+ KILL WEIGHT MUD
	06:00 - 06:45	0.75	DT	55		CIRCULATE OUT KICK THROUGH MANIFOLD. RAISE MUD WEIGHT TO 12.1+, VISCOSITY 53, AND LCM 20%.
	06:45 - 07:00	0.25	DT	55		FLOW CHECK. WELL STATIC.
	07:00 - 07:15	0.25	DT	55		PRE TOUR SAFETY MEETING
	07:15 - 13:00	5.75	DT	59		WORK STUCK PIPE. PULLED UP TO 245,000 K. (100,000 OVER STRING WEIGHT) TRIED WORKING DRILL PIPE WITH TORQUE APPLIED (NEUTRAL, 100,000# OVER, WITH 75,000# SET DOWN . RIG UP SINGLE SHOT TO RUN FREE POINT. TAKE OFF SHORT ELEVATOR BALES AND INSTALL 16' BALES FOR STABBING VALVE AND PACKOFF.
	13:00 - 14:00	1.00	DT	59		FLOW CHECK. WELL APPEARS TO BE FLOWING. SCREWED IN TOP DRIVE TO CIRCULATE OUT GAS. TOOK A 32 BBL. GAIN AFTER CIRCULATING FOR 25 MINUTES. SHUT WELL IN, MONITOR PRESSURES. 0 SIDDP. 130 PSI SICP. TRY TO CIRCULATE OUT KICK. WELL BRIDGED OFF. SHUT WELL IN TO MONITOR PRESSURES.
	14:00 - 17:30	3.50	DT	55		RIG UP SINGLE SHOT TO RUN FREE POINT. MONITORING PRESSURES.
3/16/2010	17:30 - 19:00	1.50	DT	59		PRE TOUR SAFETY MEETING (WORKING WITH WIRE LINE FREE POINT TOOLS)
	19:00 - 19:15	0.25	DT	59		RUN SINGLE SHOT FREE POINT. 100% STUCK @11200' & 100% FREE @11160'
	19:15 - 21:15	2.00	DT	59		

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EL PASO PRODUCTION  
Operations Summary Report

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Legal Well Name: LAKE FORK RANCH 3-14B4  
Common Well Name: LAKE FORK RANCH 3-14B4  
Event Name: DRILLING  
Contractor Name: PRECISION DRILLING  
Rig Name: PRECISION

Start: 11/12/2009  
Rig Release: 3/29/2010  
Rig Number: 406

Spud Date: 2/15/2010  
End: 3/29/2010  
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/16/2010	21:15 - 22:15	1.00	DT	59		RIG DOWN SINGLE SHOT WIRE LINE TOOLS
	22:15 - 03:30	5.25	DT	55		CHANGE OUT BAILS AND ELEVATORS. BRING PUMP ON LINE @30 SPM HOLDING 750 PSI ON CHOKE. ESTABLISH FULL RETURNS. CIRCULATE OUT GAS THRU CHOKE. SHUT DOWN MONITOR WELL. NO FLOW. OPEN ANNULAR AND CIRCULATE @ 239 GPM. TOOK 35 BBL GAIN. SHUT IN WELL AND CIRCULATE BOTTOMS UP THRU CHOKE @ 30 SPM HOLDING 750 PSI DRILL PIPE PRESSURE. SHUT DOWN CHECK FLOW. OPEN ANNULAR CIRCULATE @239 GPM WHILE MIXING 50 BBLS OF BLACK MAGIC ON SCHLUMBERGER BATCH TRUCK
	03:30 - 03:45	0.25	DT	59		HELD 3RD PARTY SAFETY MEETING WITH SCHLUMBERGER {PUMPING BLACK MAGIC}
	03:45 - 04:45	1.00	DT	59		SCHLUMBERGER PUMPED 50 BBLS OF BLACK MAGIC INTO DRILL STRING @1.5 BPM. 57SXS BLACK MAGIC 31 BBLS DIESEL 4 BBLS WATER AND BARITE TO 12.1# TOTAL VOLUME = 50 BBLS. SCHLUMBERGER SHUT DOWN AND RIG DISPLACED BLACK MAGIC 1057 STROKES. 20 BBLS IN ANNULUS AND 30 BBLS INSIDE DRILL STRING.
	04:45 - 06:00	1.25	DT	59		WORK STUCK PIPE WITH BLACK MAGIC IN ANNULUS AND 30 BBLS LEFT IN DRILL STRING. PUMP 5 STROKES EVERY 15 MINUTES.
3/17/2010	06:00 - 06:15	0.25	DT	59		SET 70,000# DOWN ON STRING WITH MAXIMUM TORQUE. PIPE FELL FREE AT 06:15.
	06:15 - 15:15	9.00	DT	55		CIRCULATE AND WORK PIPE. CONDITION MUD. RAISING MUD WEIGHT .1 PPG PER CIRCULATION. DIVERTED THROUGH CHOKE WHEN DIESEL/BLACK MAGIC REACHED SURFACE. CIRCULATING THROUGH CHOKE MANIFOLD RAISING MUD WEIGHT .1 PPG PER CIRCULATION. LOWERING VISCOSITY AND MAINTAINING LCM PERCENTAGE.
	15:15 - 17:30	2.25	DT	55		CIRCULATE AND CONDITION MUD. OFF OF CHOKE. GOING THROUGH GAS BUSTER. RAISING MUD WEIGHT SLOWLY TO 12.4 PPG.
	17:30 - 20:45	3.25	D	03		DRILLING 6-1/8" HOLE @ 11,904' TO 11985'
	20:45 - 21:00	0.25	D	06		NOTE: STAND DOWN SAFETY MEETING WITH BOTH CREW'S. PRECISION DRILLING DEPARTMENT AND SAFETY DIVISION MADE PRESENTATION ELPASO ERIC GILES, DWIGHT FISHER, SAM TAYLOR, GARRY MILLER & BERNIE CARSON ATTENDED MEETING LUBRICATE RIG. FUNCTION UPPER PIPE RAM'S 3 SEC. FUNCTION LOWER PIPE RAM'S 3 SEC.
3/18/2010	21:00 - 04:15	7.25	D	03		DRILL F/11985' TO 12175'
	04:15 - 05:30	1.25	D	06		BLOW OUT MANIFOLD WITH AIR & STEAM
	05:30 - 06:00	0.50	D	03		DRILL F/12175' TO 12185'
	06:00 - 07:00	1.00	D	03		DRILLING 6-1/8" HOLE FROM 12,185'-12,211'
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING (90' CONNECTIONS)
	07:15 - 12:45	5.50	D	03		DRILLING 6-1/8" HOLE FROM 12,211'-12,368'
	12:45 - 13:00	0.25	D	06		LUBRICATE RIG. FUNCTION TPR C/O 6 SECONDS. GREASE TOP DRIVE, BLOCKS, AND SWIVEL.
	13:00 - 17:30	4.50	D	03		DRILLING 6-1/8" HOLE FROM 12,368' TO 12,480' RSPP @ 12,367' 30 SPM = 924 PSI. 50 SPM = 1068 PSI
	17:30 - 18:00	0.50	D	03		ACCUMULATED CONNECTION TIME.
	18:00 - 19:00	1.00	D	03		DRILL F/12,480' TO 12,485'
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING {CAUSTIC SODA}

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EL PASO PRODUCTION  
Operations Summary Report

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Legal Well Name: LAKE FORK RANCH 3-14B4

Common Well Name: LAKE FORK RANCH 3-14B4

Event Name: DRILLING

Contractor Name: PRECISION DRILLING

Rig Name: PRECISION

Start: 11/12/2009

Rig Release: 3/29/2010

Rig Number: 406

Spud Date: 2/15/2010

End: 3/29/2010

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/18/2010	19:15 - 20:30	1.25	D	03		DRILL F/12,485' TO 12,555'
	20:30 - 20:45	0.25	D	06		LUBRICATE RIG {NOTE: DURING RIG SERVICE NOTICED WELL FLOWING. 15 BBLs PVT INCREASE}
	20:45 - 02:30	5.75	DT	55		WELL SHUT IN SIDPP = 0 SICP = 780 PSI FIRST CIRCULATION PUMPING 12.5# MUD WEIGHT @30 SPM HOLDING 924 PSI DRILL PIPE
	02:30 - 06:00	3.50	DT	55		RECIPRICATING 15' THOUGH OUT CIRCULATION TIME SECOND CIRCULATION: @30 SPM HOLDING 924 PSI STAND PIPE PRESSURE PUMP 12.7# MUD WEIGHT @04:00 MUD WEIGHT IN 12.7+ MUD WEIGHT OUT 12.4# {3RD PARTY GAS 1700 UNITS} 6' TO 8' FLARE
3/19/2010	06:00 - 06:15	0.25	DT	55		RECIPRICATING THOUGH OUT CIRCULATION TIME
	06:15 - 07:00	0.75	D	03		CIRCULATE THROUGH CHOKE.
	07:00 - 07:15	0.25	D	18		DRILLING 6-1/8" HOLE FROM 12,555'-12,574'
	07:15 - 15:30	8.25	DT	55		PRE TOUR SAFETY MEETING
	15:30 - 19:00	3.50	D	03		TOOK 9 BBL. INCREASE. SHUT WELL IN. SIDPP- 200 PSI. SICP 625 PSI. CIRCULATE OUT KICK RAISING MUD WEIGHT TO 12.8+ PPG ON FIRST CIRCULATION, 13.1 PPG ON SECOND LOCATION. WORKING DRILL PIPE CONSTANTLY.
	19:00 - 19:15	0.25	D	18		DRILLING 6-1/8" HOLE FROM 12,574'- 12,653'. RAISING MUD WEIGHT TO 13.1 PPG THROUGH OUT SYSTEM.
	19:15 - 19:30	0.25	D	06		PRE TOUR SAFETY MEETING
	19:30 - 05:45	10.25	D	03		LUBRICATE RIG
3/20/2010	05:45 - 06:00	0.25	D	03		DRILL F/12,653' TO 12890' RAISE MUD WEIGHT FROM 13.1# PPG TO 13.4+
	06:00 - 07:00	1.00	D	03		PASON GAS 602 UNITS
	07:00 - 07:15	0.25	D	18		ACCUMULATED CONNECTION TIME
	07:15 - 11:30	4.25	D	03		DRILLING 6-1/8" HOLE FROM 12,890'-12,915'
	11:30 - 11:45	0.25	D	06		PRE TOUR SAFETY MEETING (OPERATING MANRIDER JSA #35)
	11:45 - 17:15	5.50	D	03		DRILLING 6-1/8" HOLE FROM 12,915'-13,034'
	17:15 - 18:00	0.75	D	18		LUBRICATE RIG FUNCTION ANNULAR C/O 18 SECONDS. GREASE TOP DRIVE, BLOCKS, AND SWIVEL
	18:00 - 19:00	1.00	D	03		DRILLING 6-1/8" HOLE FROM 13,034'-13,224'
	19:00 - 19:15	0.25	D	18		ACCUMULATED CONNECTION TIME.
	19:15 - 21:30	2.25	D	03		DRILL F/13,224' TO 13,243
	21:30 - 21:45	0.25	D	06		PRE TOUR SAFETY MEETING {DRIVING AT PROPER SPEEDS & MANRIDE OPERATIONS}
	21:45 - 03:45	6.00	D	03		DRILL F/13,243' TO 13,317'
3/21/2010	03:45 - 05:00	1.25	D	08		LUBRICATE RIG. FUNCTION UPPER & LOWER PIPE RAM'S 3 SEC EACH
	05:00 - 06:00	1.00	D	04		DRILL F/13,317' TO 13,500' {TD}
	06:00 - 09:00	3.00	D	04		CIRCULATE BOTTOMS UP
	09:00 - 10:30	1.50	DT	55		CHECK FLOW. PUMP PILL. POOH TO 7" CASING SHOE
	10:30 - 11:15	0.75	D	08		SHORT TRIP TO 7" CASING SHOE. ONE TIGHT SPOT @ 12,800'. PULLED 15,000 OVER. NOTHING GOING BACK TO BOTTOM.
	11:15 - 11:45	0.50	DT	55		CIRCULATE AND CONDITION MUD. BOTTOMS UP TOOK 20 BBL. GAIN. SHUT WELL IN. 0 SIDPP/ 393 PSI SICP. CIRCULATED OUT THROUGH CHOKE. FULL OPEN.
						CIRCULATE AND CONDITION MUD. MONITORING WELL FOR GAINS AND LOSSES.
						CIRCULATE THROUGH CHOKE. 15 BBL. GAIN. 15' FLAME BOTH STACKS. 0 PSI SIDPP. 350 PSI SICP. 45 SPM 605 PSI DP

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Legal Well Name: LAKE FORK RANCH 3-14B4  
Common Well Name: LAKE FORK RANCH 3-14B4  
Event Name: DRILLING  
Contractor Name: PRECISION DRILLING  
Rig Name: PRECISION

Spud Date: 2/15/2010  
Start: 11/12/2009 End: 3/29/2010  
Rig Release: 3/29/2010 Group:  
Rig Number: 406

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/21/2010	11:15 - 11:45	0.50	DT	55		PRESSURE. CHOKE FULL OPEN
	11:45 - 12:45	1.00	D	08		CIRCULATE AND CONDITION MUD. 96 SPM PUMP. 225 GPM. TOOK 15 BBL. GAIN. CIRCULATE GAS OUT THROUGH CHOKE.
	12:45 - 13:00	0.25	DT	55		CHOKE FULL OPEN. 0 PSI SIDPP. 65 PSI SICP. RAISING MUD WEIGHT TO 13.6 PPG.
	13:00 - 15:45	2.75	D	08		CIRCULATE & CONDITION. RECIPRICATE PIPE
	15:45 - 18:00	2.25	DT	61		WIRE LINE SURVEY SET FOR 45 MINUTES. UNABLE TO REACH BOTTOM BEFORE TIMER WENT OFF. WENT TO BOTTOM IN 1 HR. POOH
	18:00 - 19:00	1.00	DT	61		CIRCULATE BOTTOMS UP
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING
	19:15 - 22:00	2.75	DT	61		WIRE LINE SURVEY SET FOR 1HR 10 MINUTES. POOH WITH SURVEY. BARREL PULLED TIGHT & PARTED LINE.
	22:00 - 22:30	0.50	DT	61		POOH 8 STANDS STRIPPING WIRE LINE THRU STANDS. LEFT 120' FREE LINE ON LAST STAND OUT
	22:30 - 23:45	1.25	DT	61		SLICED LINE BACK INTO SURVEY MACHINE. POOH WITH SURVEY TOOL. NOTE: WHILE POOH NO SWABING WAS NOTICES. WIRE LINE ON SURVEY MACHINE .092
	23:45 - 00:45	1.00	DT	55		POOH TO 7" CASING SHOE @10718'. BLOW OUT CHOKE AND MANIFOLD LINES
	00:45 - 02:30	1.75	DT	55		RIH FILLING EVERY 10 STANDS
	02:30 - 05:00	2.50	DT	55		CIRCULATE 2 X BOTTOM'S UP. CIRCULATING OUT GAS. FIRST CIRCULATION PASON GAS 371 UNITS. BOTTOMS UP 1425 UNITS. SECOND CIRCULATION PASON GAS 374 UNITS BOTTOMS UP 374 UNITS
3/22/2010	05:00 - 06:00	1.00	D	04		CHECK FLOW. POOH FOR LOGS
	06:00 - 07:00	1.00	D	04		TRIP OUT OF HOLE FOR LOGS FROM 10,605'.
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING (TRIPPING OUT OF HOLE REVIEW JSA #10.)
	07:15 - 12:15	5.00	D	04		TRIP OUT OF HOLE FOR LOGS. TRIP MUD CALCULATED 82.86 BBLs. MEASURED 92.51. DIFFERENCE = +9.65 BBLs. FUNCTION BLIND RAMS 6 SECONDS C/O. FLOW CHECKS @ 7760' AND 1016'. AND OUT OF HOLE.
	12:15 - 13:00	0.75	D	11		CLEAN OFF RIG FLOOR. PRE JOB SAFETY MEETING WITH RIG CREWS AND HALLIBURTON WIRELINE.
	13:00 - 18:00	5.00	D	11		RIG UP HALLIBURTON WIRELINE AND TRIP IN HOLE WITH LOG. MONITORING WELL FOR ANY LOSSES OR GAINS. LOG ON BOTTOM AT 14:55. LOGGER'S TD 13,494'.
	18:00 - 19:00	1.00	D	11		RIG DOWN HALLIBURTON LOGGING SERVICES
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING
	19:15 - 00:30	5.25	D	04		MAKE UP BIT, BHA & RIH TO 10665'. FILLING EVERY 10 STANDS AND CIRCULATE FOR 3 MINUTES
	00:30 - 01:30	1.00	D	08		CIRCULATE 1X BOTTOM'S UP AT 7" CASING SHOE
	01:30 - 02:45	1.25	D	06		SLIP & CUT DRILL LINE
	02:45 - 04:00	1.25	D	04		CONTINUE RIH. FILL EVERY 10 STANDS AND CIRCULATE FOR 3 MINUTES. WASH & REAM LAST 160' TO BOTTOM. 2 FT FILL
	04:00 - 06:00	2.00	D	08		CIRCULATE 2X BOTTOMS UP & CONDITION FOR RUNNING 4 1/2" LINER
						FIRST BOTTOMS UP 3RD PARTY GAS 783 UNITS PEAK 1444 UNITS 3FT FLARE
3/23/2010	06:00 - 07:00	1.00	D	04		FLOW CHECK, TRIP OUT OF HOLE TO RUN CASING.
	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING. DISCUSSED CROWN OUT

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EL PASO PRODUCTION  
Operations Summary Report

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Legal Well Name: LAKE FORK RANCH 3-14B4  
Common Well Name: LAKE FORK RANCH 3-14B4  
Event Name: DRILLING  
Contractor Name: PRECISION DRILLING  
Rig Name: PRECISION

Start: 11/12/2009 Spud Date: 2/15/2010  
Rig Release: 3/29/2010 End: 3/29/2010  
Rig Number: 406 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/23/2010	07:00 - 07:15	0.25	D	18		INCIDENT ON RIG 404.
	07:15 - 12:00	4.75	D	04		LAY DOWN DRILL PIPE. BLOW OUT TOP DRIVE.
	12:00 - 12:15	0.25	D	04		PRE JOB SAFETY MEETING ON LAYING DOWN BHA.
	12:15 - 14:00	1.75	D	04		LAY DOWN BHA. FUNCTIONED BLIND RAMS WHILE OUT OF HOLE. C/O 6 SECONDS.
	14:00 - 14:15	0.25	D	12		PRE JOB SAFETY MEETING WITH RIG CREWS AND WEATHERFORD ON RIGGING UP CASING CREW AND RUNNING CASING.
	14:15 - 19:00	4.75	D	12		RIG UP CASING CREW AND RUN 4-1/2" LINER. RAN 73 JOINTS (2976.30) PLUS MARKER JOINT (18.94) OF 4-1/2" 15.10 PPF P-110 CASING TOTAL LENGTH 2995.24.
						RAN FLOAT SHOE, 3 JOINTS OF CASING/FLOAT COLLAR, LANDING COLLAR, 34 JOINTS OF CASING, MARKER JOINT, 36 JOINTS OF CASING, LINER HANGER PACKER, SETTING TOOL, 15 JOINTS OF DP, 9 JOINTS OF HWDP, AND 304 JOINTS OF 3-1/2" DRILL PIPE.
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING
	19:15 - 23:00	3.75	D	12		RAN 4 1/2" LINER & 30 STANDS OF DRIFTED 3 1/2" DRILL PIPE TO 5744'. FILL EVERY 10 STANDS & BREAK CIRCULATION F/3 MIN.
	23:00 - 02:30	3.50	DT	51		UNABLE TO CIRCULATE @5744'. PULL 10 STANDS. ATTEMPT TO CIRCULATE. POOH TO LINER HANGER AND LAYDOWN SAME
	02:30 - 03:30	1.00	DT	51		INSTALL X-O FROM 4 1/2" CASING TO 3 1/2" IF. INSTALL TIW VALVE. PUMP ON CASING TO 1000 PSI WITH NO CIRCULATION.
	03:30 - 05:00	1.50	DT	51		WAIT ON WEATHERFORD CASING CREW TO LAYDOWN 4 1/2" CASING. MONITOR WELL WITH TRIP TANK.
	05:00 - 06:00	1.00	DT	51		RIG UP WEATHERFORD CASING CREW TO LAYDOWN 4 1/2" LINER
3/24/2010	06:00 - 07:00	1.00	DT	51		LAY DOWN 4-1/2" CASING
	07:00 - 07:15	0.25	DT	51		PRE TOUR SAFETY
	07:15 - 13:30	6.25	DT	51		LAY DOWN 4-1/2" CASING. TRY TO BREAK CIRCULATION 3 DIFFERENT TIMES.
	13:30 - 14:00	0.50	DT	51		RIG DOWN CASING CREW
	14:00 - 14:30	0.50	DT	51		CLEAN RIG FLOOR. PREPARE FOR TRIP IN HOLE..
	14:30 - 14:45	0.25	DT	51		PORE JOB SAFETY MEETING ON TRIP IN HOLE. JSA #8
	14:45 - 19:00	4.25	DT	51		MAKE UP BIT, BIT SUB, 9 JOINTS OF HWDP, AND TIH WITH 3-1/2" DRILL PIPE. FILLED PIPE AND CIRCULATED THROUGH BHA.
						BREAK CIRCULATION AT 4400' AND CIRCULATE BOTTOMS UP.
	19:00 - 19:15	0.25	DT	51		PRE TOUR SAFETY MEETING
	19:15 - 21:45	2.50	DT	51		RIH TO 10679' FILL EVERY 10 STANDS CIRCULATE F/3MIN.
	21:45 - 22:45	1.00	DT	51		CIRCULATE OUT GAS
	22:45 - 00:30	1.75	DT	51		RIH TO 13,135' FILL EVERY 10 STANDS CIRCULATE F/3MIN.
	00:30 - 01:45	1.25	DT	60		REPAIR BAYLOR BRAKE SYSTEM ON DRAWWORKS
	01:45 - 02:00	0.25	DT	51		LUBRICATE RIG
3/25/2010	02:00 - 02:30	0.50	DT	51		RIH TO 13,350' WASH LAST 2 STANDS TO BOTTOM {NO FILL}
	02:30 - 05:00	2.50	DT	51		CIRCULATE AND CONDITION. FIRST BOTTOMS UP 3RD PARTY PEAK GAS 6900 UNIT
						SECOND BOTTOMS UP BACKGROUND GAS 1100 UNITS.
	05:00 - 06:00	1.00	DT	51		BRINGING MUD WEIGHT FROM 13.7+ TO 13.8+ END CIRCULATION 3RD PARTY GAS 1068 UNITS
	06:00 - 07:00	1.00	DT	51		CHECK FLOW. PUMP PILL. POOH TO RUN 4 1/2" LINER
	07:00 - 07:15	0.25	DT	51		TRIP OUT OF HOLE TO RUN CASING.
						PRE TOUR SAFETY MEETING. (TRIPPING OUT OF HOLE, REVIEW JSA #9)
	07:15 - 11:30	4.25	DT	51		TRIP OUT OF HOLE TO RUN CASING.

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EL PASO PRODUCTION  
Operations Summary Report

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Legal Well Name: LAKE FORK RANCH 3-14B4  
Common Well Name: LAKE FORK RANCH 3-14B4  
Event Name: DRILLING  
Contractor Name: PRECISION DRILLING  
Rig Name: PRECISION

Start: 11/12/2009  
Rig Release: 3/29/2010  
Rig Number: 406

Spud Date: 2/15/2010  
End: 3/29/2010  
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/25/2010	11:30 - 11:45	0.25	DT	51		PRE JOB SAFETY MEETING WITH WEATHERFORD AND RIG CREWS.
	11:45 - 18:45	7.00	DT	51		RAN FLOAT SHOE, 3 JOINTS OF CASING, FLOAT COLLAR, LANDING COLLAR, 37 JOINTS OF CASING, MARKER JOINT(TOP AT 11,989'), 36 JOINTS OF CASING, LINER HANGER PACKER, SETTING TOOL, 15 JOINTS OF DP, 9 JOINTS OF HWDP, AND 304 JOINTS OF 3-1/2" DRILL PIPE. TOP OF LINER @ 10,497'.
	18:45 - 19:00	0.25	DT	51		PRE TOUR SAFETY MEETING (FORK LIFT SAFETY)
	19:00 - 20:15	1.25	DT	51		RIH WITH 4 1/2" LINER TO 5861' FILL EVERY 10 STANDS AND CIRCULATE F/3MIN.
	20:15 - 23:30	3.25	D	12		RIH WITH 4 1/2" LINER TO 10700'. FILL EVERY 10 STANDS AND CIRCULATE F/3MIN.
	23:30 - 00:45	1.25	D	12		CIRCULATE 1X BOTTOMS UP AT 7" CASING SHOE
	00:45 - 02:30	1.75	D	12		RIH WITH 4 1/2" LINER TO 13200'. FILL EVERY 10 STANDS AND CIRCULATE F/3MIN. @13200' PACKING OFF AND PRESSURE UP WHILE CIRCULATING. POOH 5 STANDS. REGAIN FULL CIRCULATION. WASH DOWN TO 12938'.
	02:30 - 06:00	3.50	D	12		CIRCULATE & CONDITION MUD.. LOST 130 BBLs MUD WHILE RUNNING LINER. START OF CIRCULATION LOSSES 100 BBLs WITH 25% LCM. BROUGHT LCM TO 30%. CONTINUE CIRCULATING BRING LCM TO 34%. TOTAL LOSSES @0600 175 BBLs.
3/26/2010	06:00 - 07:00	1.00	DT	55		BUILD VOLUME WORK PIPE
	07:00 - 07:15	0.25	DT	55		PRE TOUR SAFETY MEETING. (MIXING REVIEW JSA # 30)
	07:15 - 19:00	11.75	DT	55		BUILD VOLUME WORK PIPE
	19:00 - 19:15	0.25	DT	55		PRE TOUR SAFETY MEETING
	19:15 - 00:00	4.75	DT	55		BUILD VOLUME WORK PIPE
	00:00 - 06:00	6.00	DT	55		BUILD VOLUME WORK PIPE. 2112 UNITS GAS, NO BURNABLE FLARE
3/27/2010	06:00 - 07:00	1.00	DT	51		PULL OUT OF HOLE, CIRCULATING OUT WITH TOP DRIVE LOOKING FOR RESTRICTION.
	07:00 - 07:15	0.25	DT	51		PRE TOUR SAFETY MEETING. (WORKING WITH LOADER. REVIEW JSA #32)
	07:15 - 10:30	3.25	DT	51		PULL OUT OF HOLE, CIRCULATING OUT WITH TOP DRIVE LOOKING FOR RESTRICTION. PULL UP INTO INTERMEDIATE CASING.
	10:30 - 13:00	2.50	DT	51		CIRCULATE 2X BOTTOMS UP AT 65 SPM. NO LOSSES
	13:00 - 14:45	1.75	DT	51		CIRCULATE BOTTOMS UP AT 96 SPM. NO LOSSES.
	14:45 - 18:00	3.25	DT	51		ESTABLISH BASE LINE PRESSURE WITH PUMP #2 AT 66 SPM WITH A PRESSURE OF 1225 PSI. WASHING CASING TO BOTTOM FROM 10,795' TO 11,475'. FULL RETURNS. NO LOSSES.
	18:00 - 19:00	1.00	DT	51		CIRC & RUN IN CSG
	19:00 - 19:15	0.25	DT	51		PRE TOUR SAFETY MEETING.
	19:15 - 00:00	4.75	DT	51		CIRC & RUN IN CSG
	00:00 - 03:00	3.00	DT	51		CIRC & RUN 4 1/2 LINER TO BOTTOM.
3/28/2010	03:00 - 05:45	2.75	D	08		CIRC BOTTOMS UP TWICE. NO FILL.
	05:45 - 06:00	0.25	D	14		SAFETY MEETING W/ CEMENTERS & LINER HANGER CREW.
	06:00 - 07:00	1.00	D	08		CIRCULATE AND WORK PIPE.
	07:00 - 07:15	0.25	D	18		PRE JOB SAFETY MEETING WITH RIG CREWS, SCHLUMBERGER, HALLIBURTON, AND BOTH COMPANY MEN. (CEMENTING 4-1/2" CASING)
	07:15 - 10:00	2.75	D	14		RIG UP CEMENTERS AND PRESSURE TEST ALL LINES TO 8500 PSI. CEMENT WITH 20 BBLs. OF 14.7 PPG MUDPUSH II WITH 0.5 PPG CEMNET, 265 SACKS (77 BBLs.) EASYBLOCK 15.8 PPG

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Legal Well Name: LAKE FORK RANCH 3-14B4  
Common Well Name: LAKE FORK RANCH 3-14B4  
Event Name: DRILLING  
Contractor Name: PRECISION DRILLING  
Rig Name: PRECISION  
Start: 11/12/2009  
Rig Release: 3/29/2010  
Rig Number: 406  
Spud Date: 2/15/2010  
End: 3/29/2010  
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/28/2010	07:15 - 10:00	2.75	D	14		WELLBOND WITH 0.5 PPG CEMENT IN THE FIRST 5 BBLs. THEN 2# PER BBL. IN THE REST OF THE CEMENT. YIELD (1.63) WATER (6.49 GALLONS PER SACK). SHUT DOWN, WASH PUMPS AND LINE, DROP PLUG. DISPLACE WITH 10 BBLs. RETARDED FLUID, 20 BBLs. WATER, 10 BBLs. OF RETARDED FLUID, 77 BBLs. OF 13.6 MUD. BUMPED PLUG AT 10:55. FINAL PRESSURE 3000 PSI. PRESSURED UP TO 500# OVER (3500 PSI) ON PLUG. HELD PRESSURE FOR 5 MINUTES AND BLED OFF PRESSURE. FLOWED BACK 1.5 BBLs. FLOATS HELD.
	10:00 - 10:45	0.75	D	14		DROPPED BALL. PRESSURED TO 5600 PSI AND RUPTURED DISK. PUMPED UNTIL BALL SEATED, PRESSURED TO 8500 PSI TO SET PACKER. BLED OFF PRESSURE. PULL TESTED PACKER TO 100,000 OVER STRING WEIGHT. (250,000#) PACKER SET. SLACKED OFF TO 50,000# TO SHEAR OFF OF PACKER. PULLED OUT OF HANGER.
	10:45 - 14:00	3.25	D	14		RECIPROCATING PIPE ABOVE TOP OF LINER HANGER AND CIRCULATE 2X BOTTOMS UP. CIRCULATED 14 BBLs. OF CEMENT TO SURFACE.
	14:00 - 14:30	0.50	D	14		POSITIVE TEST ON LINER 1500 PSI FOR 10 MINUTES. OK.
	14:30 - 16:00	1.50	D	08		DISPLACE HOLE WITH FRESH WATER FOR NEGATIVE TEST. FLOW CHECK. WELL STATIC.
	16:00 - 17:30	1.50	D	14		TEAR OUT CEMENTERS AND HEAD
	17:30 - 19:00	1.50	D	04		LAY DOWN DRILL PIPE.
	19:00 - 19:15	0.25	D	18		PRE TOUR SAFETY MEETING (LAYING DOWN PIPE)
	19:15 - 19:45	0.50	D	06		CIRC. THROUGH MANIFOLD VALVES W/ WATER & BLOW W/ AIR.
	19:45 - 21:30	1.75	D	04		LAY DOWN DP.
	21:30 - 22:45	1.25	D	06		SLIP & CUT 115.2 FT. DRILL LINE
	22:45 - 00:00	1.25	D	04		RIN 31 STAND OUT OF DERRICK & FLOW CHECK.
	00:00 - 06:00	6.00	D	04		POOH LAYING DOWN DP. (CHANGE LINERS IN PUMP TO 5 1/2")
	06:00 - 07:00	1.00	D	04		LAY DOWN 3-1/2" DRILL PIPE
3/29/2010	07:00 - 07:15	0.25	D	18		PRE TOUR SAFETY MEETING
	07:15 - 08:15	1.00	D	04		LAY DOWN 3-1/2" DRILL PIPE
	08:15 - 09:30	1.25	D	01		RIG OUT FLOOR
	09:30 - 11:00	1.50	D	01		RIG UP CASED HOLE SOLUTIONS TO SET BAKER RETREIVABLE BRIDGE PLUG. TRIP IN HOLE WITH RBP. TOP OF BRIDGE PLUG SET AT 2000' KB. MIDDLE PACKING ELEMENTS 2002.35. BOTTOM OF RET. BRIDGE PLUG 2004.60.
	11:00 - 12:15	1.25	D	01		SAFETY MEETING. PRESSURE TEST BRIDGE PLUG 1500 PSI FOR 10 MINUTES. OK.
	12:15 - 21:00	8.75	D	01		SAFETY MEETING, TEAR OUT BOP'S
	21:00 - 00:00	3.00	D	01		REMOVE B SECTION, INSTALL TUBING SPOOL, PRESS TEST TO 5000 PSI 10 MIN OK. RIG CLEANING TANKS & RIGGING OUT
	00:00 - 04:00	4.00	D	01		RIG OUT TOP DRIVE
	04:00 - 06:00	2.00	D	01		RIG OUT DERRICK AND FLOW LINES. RIG RELEASED 06:00 HRS
						03/29/2010

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CONFIDENTIAL

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ FORM 8  
(highlight changes)

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____				5. LEASE DESIGNATION AND SERIAL NUMBER: Fee	
b. TYPE OF WORK: NEW WELL <input checked="" type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____				6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR: El Paso E & P Company, L.P.				7. UNIT or CA AGREEMENT NAME	
3. ADDRESS OF OPERATOR: 1099 18th St Ste 1900 CITY Denver STATE CO ZIP 80202				8. WELL NAME and NUMBER: Lake Fork Ranch 3-14B4	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 1321 FSL & 1246 FEL AT TOP PRODUCING INTERVAL REPORTED BELOW: 1321 FSL & 1246 FEL AT TOTAL DEPTH: <del>1321 FSL &amp; 1246 FEL</del> 1151 FSL 1259 FEL SE SE				9. API NUMBER: 4301350097	
10 FIELD AND POOL, OR WILDCAT Altamont				11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 14 2S 4W U	
12. COUNTY Duchesne				13. STATE UTAH	
14. DATE SPUDDED: 11/12/2009		15. DATE T.D. REACHED: 3/20/2010		16. DATE COMPLETED: 4/27/2010	
18. TOTAL DEPTH: MD 13,500 13498 TVD 43,497		19. PLUG BACK T.D.: MD TVD		20. IF MULTIPLE COMPLETIONS, HOW MANY? * N/A	
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) ✓ Quad Combo				23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> (Submit copy)	
21. ELEVATIONS (DF, RKB, RT, GL): 6199 ungraded ground					

**24. CASING AND LINER RECORD (Report all strings set in well)**

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
17.5	13.375 J-55	54.5	0	1,010		G 1,125	230	0	None
12.25	9.625 p110	40	0	4,182		G 515	365	0	
						G 210	60		
8.75	7 p110	29	0	10,697		G 353	249	0	
						G 204	84		
6.125	4.5 p110	15.1	10,497	13,500		G 265	77	10497	

**25. TUBING RECORD**

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.875	10,375	10,375	7"					

**26. PRODUCING INTERVALS**

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Wasatch	10,635	13,500			13,402 13,147	.35	189	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B)					13,103 12,827	.35	182	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C)					12,793 12,492	.35	162	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(D)					12,457 12,130	.35	249	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>

**27. PERFORATION RECORD****28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.**

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
13402-13147	5000 gal 15% HCL, 6000# 100 mesh sand, 140951 Terraprop pro 20/40
13103-12827	5000 gal 15% HCL, 6000# 100 mesh sand, 119616 Terraprop pro 20/40
12793-12492	5000 gal 15% HCL, 5000# 100 mesh sand, 81623 Terraprop pro 20/40

**29. ENCLOSED ATTACHMENTS:**

- ☐ ELECTRICAL/MECHANICAL LOGS      ☐ GEOLOGIC REPORT      ☐ DST REPORT      ☒ DIRECTIONAL SURVEY  
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION      ☐ CORE ANALYSIS      ☐ OTHER: \_\_\_\_\_

**30. WELL STATUS:**

prod

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AUG 02 2010



## 31. INITIAL PRODUCTION

## INTERVAL A (As shown in Item #26)

DATE FIRST PRODUCED: 4/27/2010		TEST DATE: 4/28/2010		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL – BBL: 1,256	GAS – MCF: 1,417	WATER – BBL: 65	PROD. METHOD: flow
CHOKE SIZE: 16	TBG. PRESS. 2,650	CSG. PRESS. 2,650	API GRAVITY 42.60	BTU – GAS 1,300	GAS/OIL RATIO 1	24 HR PRODUCTION RATES: →	OIL – BBL: 1,256	GAS – MCF: 1,417	WATER – BBL: 65	INTERVAL STATUS: open

## INTERVAL B (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

## INTERVAL C (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

## INTERVAL D (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

## 32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Sold

## 33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
GRRV	5,716	6,625	Stacked SS, siltstone, shale, dolo, LS		
GRN1	6,625	7,660	Stacked SS, siltstone, shale, dolo, LS		
GRMHB	7,660	8,991	Stacked SS, siltstone, shale, dolo, LS		
TGR3	8,991	10,635	Stacked SS, siltstone, shale, dolo, LS		
WASATCH	10,635	13,500	Stacked SS, siltstone, shale, dolo, LS		

## 35. ADDITIONAL REMARKS (Include plugging procedure)

See attachment for additional perf and frac data.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Marie OKeefe

TITLE Sr. Regulatory Analyst

SIGNATURE *Marie OKeefe*

DATE 7-30-10

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation

- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

Lake Fork Ranch 3-14B4

4301350097

27. PERFORATION RECORD

INTERVAL	SIZE	NO. HOLES
12096-11779	0.35	183
11736-11526	0.35	231
11496-11370	0.35	108

28. ACID, FRACTURE,

12457-12130	5000 gal 15% HCL, 10000# 100 mesh sand, 119391# Terraprop pro 20/40
12096-11779	5000 gal 15% HCL, 6000# 100 mesh sand, 44000# Terraprop pro 20/40 AND 87278# sinterlite bauxite
11736-11526	5000 gal 15% HCL, 6000# 100 mesh sand, 158580# sinterlite bauxite 20/40
11496-11370	5000 gal 15% HCL, 4000# 100 mesh sand, 70358# sinterlite bauxite 20/40



## EL PASO PRODUCTION

Page 1 of 3

## Deviation Summary

Legal Well Name: LAKE FORK RANCH 3-14B4  
Common Well Name: LAKE FORK RANCH 3-14B4  
Event Name: DRILLING  
Contractor Name: PRECISION DRILLING TRUST  
Rig Name: PRECISION  
TMD: 11,164.00 (ft) TVD: 11,161.56 (ft)

Spud Date: 2/15/2010  
Start: 11/12/2009  
End: 3/29/2010  
Rig Release: 3/29/2010  
Rig Number: 406

S/T # V.S. AZI (°)  
OH 0.000

Calculation Method: Minimum Curvature

S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N-S (ft)	E-W (ft)	Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
OH	0.00	0.000	0.000	YNN	0.00	0.00	0.00	0.00	0.00	0.00	INC
OH	150.00	1.000	0.000	YNN	149.99	1.31	0.00	1.31	0.67	0.67	INC
OH	270.00	0.750	0.000	YNN	269.98	3.14	0.00	3.14	0.21	-0.21	INC
OH	570.00	0.750	0.000	YNN	569.95	7.07	0.00	7.07	0.00	0.00	INC
OH	750.00	0.750	0.000	YNN	749.94	9.42	0.00	9.42	0.00	0.00	INC
OH	1,045.00	1.000	0.000	YNN	1,044.90	13.93	0.00	13.93	0.08	0.08	INC
OH	1,130.00	0.400	165.800	YNN	1,129.90	14.38	0.07	14.38	1.64	-0.71	MWD
OH	1,226.00	0.600	186.800	YNN	1,225.90	13.56	0.10	13.56	0.28	0.21	MWD
OH	1,317.00	0.700	156.700	YNN	1,316.89	12.58	0.26	12.58	0.39	0.11	MWD
OH	1,413.00	0.700	187.500	YNN	1,412.88	11.46	0.41	11.46	0.39	0.00	MWD
OH	1,600.00	0.800	186.600	YNN	1,599.87	9.03	0.12	9.03	0.05	0.05	MWD
OH	1,785.00	1.100	181.300	YNN	1,784.84	5.97	-0.07	5.97	0.17	0.16	MWD
OH	1,973.00	0.700	171.100	YNN	1,972.82	3.03	0.06	3.03	0.23	-0.21	MWD
OH	2,169.00	0.700	174.100	YNN	2,168.80	0.66	0.37	0.66	0.02	0.00	MWD
OH	2,351.00	1.000	190.500	YNN	2,350.78	-2.01	0.20	-2.01	0.21	0.16	MWD
OH	2,716.00	0.700	161.400	YNN	2,715.74	-7.26	0.33	-7.26	0.14	-0.08	MWD
OH	2,905.00	1.100	180.500	YNN	2,904.72	-10.16	0.68	-10.16	0.26	0.21	MWD
OH	3,092.00	1.100	177.600	YNN	3,091.69	-13.75	0.74	-13.75	0.03	0.00	MWD
OH	3,278.00	1.000	163.600	YNN	3,277.66	-17.09	1.27	-17.09	0.15	-0.05	MWD
OH	3,467.00	1.100	169.400	YNN	3,466.62	-20.46	2.07	-20.46	0.08	0.05	MWD
OH	3,930.00	1.000	194.200	YNN	3,929.55	-28.74	1.90	-28.74	0.10	-0.02	MWD
OH	4,082.00	0.800	176.900	YNN	4,081.53	-31.09	1.63	-31.09	0.22	-0.13	MWD
OH	4,219.00	0.700	184.000	YNN	4,218.52	-32.88	1.62	-32.88	0.10	-0.07	MWD
OH	4,402.00	1.200	179.200	YNN	4,401.49	-35.91	1.57	-35.91	0.28	0.27	MWD
OH	4,588.00	1.200	184.700	YNN	4,587.45	-39.80	1.44	-39.80	0.06	0.00	MWD
OH	4,775.00	1.300	178.600	YNN	4,774.41	-43.87	1.33	-43.87	0.09	0.05	MWD
OH	4,962.00	1.600	194.100	YNN	4,961.35	-48.52	0.75	-48.52	0.26	0.16	MWD
OH	5,147.00	1.300	228.600	YNN	5,146.29	-52.42	-1.46	-52.42	0.49	-0.16	MWD



## EL PASO PRODUCTION

Page 2 of 3

## Deviation Summary

Legal Well Name: LAKE FORK RANCH 3-14B4  
Common Well Name: LAKE FORK RANCH 3-14B4  
Event Name: DRILLING  
Contractor Name: PRECISION DRILLING TRUST  
Rig Name: PRECISION  
TMD: 11,164.00 (ft) TVD: 11,161.56 (ft)

Spud Date: 2/15/2010  
Start: 11/12/2009  
End: 3/29/2010  
Rig Release: 3/29/2010  
Rig Number: 406

S/T # V.S. AZI (°)  
OH 0.000

Calculation Method: Minimum Curvature

S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N-S (ft)	E-W (ft)	Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
OH	5,333.00	1.500	229.100	YNN	5,332.24	-55.41	-4.88	-55.41	0.11	0.11	MWD
OH	5,515.00	0.500	199.900	YNN	5,514.21	-57.71	-6.95	-57.71	0.60	-0.55	MWD
OH	5,706.00	1.200	177.700	YNN	5,705.19	-60.49	-7.15	-60.49	0.40	0.37	MWD
OH	5,896.00	1.500	186.000	YNN	5,895.13	-64.96	-7.33	-64.96	0.19	0.16	MWD
OH	6,084.00	0.700	182.900	YNN	6,083.10	-68.55	-7.65	-68.55	0.43	-0.43	MWD
OH	6,266.00	1.500	184.300	YNN	6,265.06	-72.04	-7.88	-72.04	0.44	0.44	MWD
OH	6,360.00	2.100	187.100	YNN	6,359.01	-74.97	-8.19	-74.97	0.64	0.64	MWD
OH	6,453.00	1.300	219.300	YNN	6,451.98	-77.48	-9.07	-77.48	1.31	-0.86	MWD
OH	6,546.00	1.600	219.500	YNN	6,544.95	-79.30	-10.56	-79.30	0.32	0.32	MWD
OH	6,643.00	1.700	213.200	YNN	6,641.91	-81.55	-12.21	-81.55	0.21	0.10	MWD
OH	6,825.00	1.100	178.000	YNN	6,823.85	-85.55	-13.63	-85.55	0.56	-0.33	MWD
OH	6,918.00	1.600	181.900	YNN	6,916.83	-87.74	-13.64	-87.74	0.55	0.54	MWD
OH	7,009.00	1.300	181.800	YNN	7,007.80	-90.04	-13.71	-90.04	0.33	-0.33	MWD
OH	7,106.00	0.070	183.000	YNN	7,104.79	-91.20	-13.75	-91.20	1.27	-1.27	MWD
OH	7,200.00	1.400	186.300	YNN	7,198.78	-92.40	-13.88	-92.40	1.42	1.41	MWD
OH	7,383.00	1.800	178.600	YNN	7,381.71	-97.50	-14.06	-97.50	0.25	0.22	MWD
OH	7,479.00	2.100	173.800	YNN	7,477.65	-100.75	-13.83	-100.75	0.36	0.31	MWD
OH	7,664.00	0.500	132.400	YNN	7,662.60	-104.67	-12.87	-104.67	0.95	-0.86	MWD
OH	7,758.00	0.900	138.400	YNN	7,756.59	-105.49	-12.07	-105.49	0.43	0.43	MWD
OH	7,851.00	1.100	157.800	YNN	7,849.58	-106.87	-11.25	-106.87	0.42	0.22	MWD
OH	7,944.00	1.600	169.100	YNN	7,942.55	-108.97	-10.67	-108.97	0.61	0.54	MWD
OH	8,037.00	1.700	171.300	YNN	8,035.52	-111.61	-10.22	-111.61	0.13	0.11	MWD
OH	8,131.00	1.300	199.500	YNN	8,129.48	-113.99	-10.36	-113.99	0.88	-0.43	MWD
OH	8,223.00	0.800	280.000	YNN	8,221.47	-114.86	-11.34	-114.86	1.53	-0.54	MWD
OH	8,320.00	0.600	292.500	YNN	8,318.47	-114.55	-12.48	-114.55	0.26	-0.21	MWD
OH	8,404.00	0.500	262.200	YNN	8,402.46	-114.43	-13.25	-114.43	0.36	-0.12	MWD
OH	8,503.00	0.700	234.900	YNN	8,501.46	-114.84	-14.17	-114.84	0.35	0.20	MWD
OH	8,595.00	1.300	209.300	YNN	8,593.44	-116.07	-15.14	-116.07	0.80	0.65	MWD



## EL PASO PRODUCTION

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## Deviation Summary

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S/T # V.S. AZI (°)  
OH 0.000

Calculation Method: Minimum Curvature

S/T #	TMD (ft)	Angle (°)	Azimuth (°)	CTM	TVD (ft)	N-S (ft)	E-W (ft)	Section (ft)	DLS (°/100ft)	BUR (°/100ft)	Type
OH	8,782.00	2.200	193.300	YNN	8,780.35	-121.42	-17.00	-121.42	0.54	0.48	MWD
OH	8,878.00	1.800	194.700	YNN	8,876.30	-124.67	-17.81	-124.67	0.42	-0.42	MWD
OH	8,970.00	1.800	189.600	YNN	8,968.25	-127.49	-18.42	-127.49	0.17	0.00	MWD
OH	9,062.00	2.000	187.600	YNN	9,060.20	-130.50	-18.87	-130.50	0.23	0.22	MWD
OH	9,156.00	2.200	191.700	YNN	9,154.14	-133.90	-19.45	-133.90	0.27	0.21	MWD
OH	9,245.00	1.600	192.500	YNN	9,243.09	-136.78	-20.07	-136.78	0.67	-0.67	MWD
OH	9,342.00	1.900	198.700	YNN	9,340.04	-139.63	-20.88	-139.63	0.37	0.31	MWD
OH	9,432.00	2.300	194.400	YNN	9,429.98	-142.79	-21.81	-142.79	0.48	0.44	MWD
OH	9,527.30	2.300	195.600	YNN	9,525.20	-146.48	-22.80	-146.48	0.05	0.00	MWD
OH	9,618.00	2.500	183.300	YNN	9,615.83	-150.21	-23.40	-150.21	0.61	0.22	MWD
OH	9,709.00	1.900	168.000	YNN	9,706.76	-153.67	-23.20	-153.67	0.92	-0.66	MWD
OH	9,806.00	1.700	157.100	YNN	9,803.71	-156.57	-22.31	-156.57	0.41	-0.21	MWD
OH	9,899.00	1.500	153.300	YNN	9,896.67	-158.93	-21.22	-158.93	0.24	-0.22	MWD
OH	9,992.00	0.600	121.200	YNN	9,989.66	-160.27	-20.26	-160.27	1.12	-0.97	MWD
OH	10,084.00	0.600	155.100	YNN	10,081.65	-160.95	-19.64	-160.95	0.38	0.00	MWD
OH	10,179.00	0.800	162.000	YNN	10,176.65	-162.03	-19.23	-162.03	0.23	0.21	MWD
OH	10,270.00	0.900	104.700	YNN	10,267.64	-162.82	-18.34	-162.82	0.90	0.11	MWD
OH	10,364.00	0.900	72.700	YNN	10,361.63	-162.79	-16.92	-162.79	0.53	0.00	MWD
OH	10,458.00	0.400	112.500	YNN	10,455.62	-162.69	-15.91	-162.69	0.69	-0.53	MWD
OH	10,554.00	0.400	163.400	YNN	10,551.62	-163.14	-15.51	-163.14	0.36	0.00	MWD
OH	10,641.00	0.900	194.600	YNN	10,638.61	-164.10	-15.59	-164.10	0.68	0.57	MWD
OH	10,782.00	0.800	178.900	YNN	10,779.60	-166.15	-15.85	-166.15	0.18	-0.07	MWD
OH	10,877.00	1.200	153.900	YNN	10,874.58	-167.71	-15.40	-167.71	0.61	0.42	MWD
OH	10,970.00	0.080	145.800	YNN	10,967.58	-168.64	-14.94	-168.64	1.21	-1.20	MWD
OH	11,069.00	0.700	117.900	YNN	11,066.57	-168.98	-14.37	-168.98	0.64	0.63	MWD
OH	11,164.00	0.900	127.700	YNN	11,161.56	-169.70	-13.26	-169.70	0.25	0.21	MWD

DID NOT RUN TO TD. TMD = 13500 TVD = 13497.56



Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET (for state use only)**

**ROUTING**  
**CDW**

**X - Change of Operator (Well Sold)**

**Operator Name Change/Merger**

The operator of the well(s) listed below has changed, effective:

**6/1/2012**

**FROM: (Old Operator):**

N3065- El Paso E&P Company, L.P.  
 1001 Louisiana Street  
 Houston, TX. 77002

Phone: 1 (713) 997-5038

**TO: ( New Operator):**

N3850- EP Energy E&P Company, L.P.  
 1001 Louisiana Street  
 Houston, TX. 77002

Phone: 1 (713) 997-5038

**CA No.**

**Unit:**

**N/A**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List								

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/25/2012
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/25/2012
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/27/2012
- Is the new operator registered in the State of Utah:          Business Number: 2114377-0181
- (R649-9-2) Waste Management Plan has been received on: Yes
- Inspections of LA PA state/fee well sites complete on: N/A
- Reports current for Production/Disposition & Sundries on: 6/25/2012
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM N/A BIA Not Received
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: Second Oper Chg

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 6/29/2012
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/29/2012
- Bond information entered in RBDMS on: 6/29/2012
- Fee/State wells attached to bond in RBDMS on: 6/29/2012
- Injection Projects to new operator in RBDMS on: 6/29/2012
- Receipt of Acceptance of Drilling Procedures for APD/New on: N/A

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: 103601420
- Indian well(s) covered by Bond Number: 103601473
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 400JU0705
- The **FORMER** operator has requested a release of liability from their bond on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 6/29/2012

**COMMENTS:**

Disposal and Injections wells will be moved when UIC 5 is received.

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

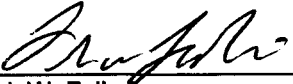
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: Multiple Leases
2. NAME OF OPERATOR: El Paso E&P Company, L.P. Attn: Maria Gomez		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1001 Louisiana CITY Houston STATE TX ZIP 77002		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: See Attached		8. WELL NAME and NUMBER: See Attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		9. API NUMBER:
COUNTY:		10. FIELD AND POOL, OR WILDCAT: See Attached
STATE: UTAH		

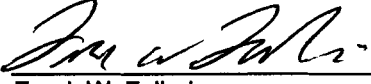
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Change of Name/Operator
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

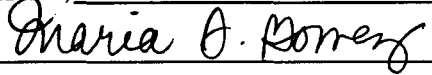
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please be advised that El Paso E&P Company, L.P. (current Operator) has changed names to EP Energy E&P Company, L.P. (new Operator) effective June 1, 2012 and that EP Energy E&P Company, L.P. is considered the new operator of the attached well locations.

EP Energy E&P Company, L.P. is responsible under the terms and conditions of the lease(s) for the operations conducted upon leased lands. Bond coverage is provided by the State of Utah Statewide Blanket Bond No. 400JU0705, Bureau of Land Management Nationwide Bond No. 103601420, and Bureau of Indian Affairs Nationwide Bond No. 103601473.

  
Frank W. Falleri  
Vice President  
El Paso E&P Company, L.P.

  
Frank W. Falleri  
Sr. Vice President  
EP Energy E&P Company, L.P.

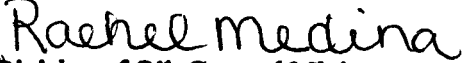
NAME (PLEASE PRINT) Maria S. Gomez	TITLE Principal Regulatory Analyst
SIGNATURE 	DATE 6/22/2012

(This space for State use only)

RECEIVED

JUN 25 2012

DIV. OF OIL, GAS & MINING

APPROVED 6/29/2012  
  
Rachel Medina  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician  
Rachel Medina

(See Instructions on Reverse Side)

Well Name	Sec	TWP	RNG	API Number	Entity	Lease Type	Well Type	Well Status	Conf
DWR 3-17C6	17	030S	060W	4301350070		14204621118	OW	APD	C
LAKEWOOD ESTATES 3-33C6	33	030S	060W	4301350127		1420H621328	OW	APD	C
YOUNG 3-15A3	15	010S	030W	4301350122		FEE	OW	APD	C
WHITING 4-1A2	01	010S	020W	4301350424		Fee	OW	APD	C
EL PASO 4-34A4	34	010S	040W	4301350720		Fee	OW	APD	C
YOUNG 2-2B1	02	020S	010W	4304751180		FEE	OW	APD	C
LAKE FORK RANCH 3-10B4	10	020S	040W	4301350712	18221	Fee	OW	DRL	C
LAKE FORK RANCH 4-26B4	26	020S	040W	4301350714	18432	Fee	OW	DRL	C
LAKE FORK RANCH 4-24B4	24	020S	040W	4301350717	18315	Fee	OW	DRL	C
Cook 4-14B3	14	020S	030W	4301351162	18449	Fee	OW	DRL	C
Peterson 4-22C6	22	030S	060W	4301351163	18518	Fee	OW	DRL	C
Lake Fork Ranch 4-14B4	14	020S	040W	4301351240	99999	Fee	OW	DRL	C
Melesco 4-20C6	20	030S	060W	4301351241	99999	Fee	OW	DRL	C
Peck 3-13B5	13	020S	050W	4301351364	99999	Fee	OW	DRL	C
Jensen 2-9C4	09	030S	040W	4301351375	99999	Fee	OW	DRL	C
El Paso 3-5C4	05	030S	040W	4301351376	18563	Fee	OW	DRL	C
ULT 6-31	31	030S	020E	4304740033		FEE	OW	LA	
OBERHANSKY 2-2A1	02	010S	010W	4304740164		FEE	OW	LA	
DWR 3-15C6	15	030S	060W	4301351433		14-20-H62-4724	OW	NEW	C
Lake Fork Ranch 5-23B4	23	020S	040W	4301350739		Fee	OW	NEW	
Duchesne Land 4-10C5	10	030S	050W	4301351262		Fee	OW	NEW	C
Cabinland 4-9B3	09	020S	030W	4301351374		Fee	OW	NEW	C
Layton 4-2B3	02	020S	030W	4301351389		Fee	OW	NEW	C
Golinski 4-24B5	24	020S	050W	4301351404		Fee	OW	NEW	C
Alba 1-21C4	21	030S	040W	4301351460		Fee	OW	NEW	C
Allison 4-19C5	19	030S	050W	4301351466		Fee	OW	NEW	C
Seeley 4-3B3	03	020S	030W	4301351486		Fee	OW	NEW	C
Allen 4-25B5	25	020S	050W	4301351487		Fee	OW	NEW	C
Hewett 2-6C4	06	030S	040W	4301351489		Fee	OW	NEW	C
Young 2-7C4	07	030S	040W	4301351500		Fee	OW	NEW	C
Brighton 3-31A1E	31	010S	010E	4304752471		Fee	OW	NEW	C
Hamaker 3-25A1	25	010S	010W	4304752491		Fee	OW	NEW	C
Bolton 3-29A1E	29	010S	010E	4304752871		Fee	OW	NEW	C
HORROCKS 5-20A1	20	010S	010W	4301334280	17378	FEE	OW	OPS	C
DWR 3-19C6	19	030S	060W	4301334263	17440	14-20-462-1120	OW	P	
DWR 3-22C6	22	030S	060W	4301334106	17298	14-20-462-1131	OW	P	
DWR 3-28C6	28	030S	060W	4301334264	17360	14-20-462-1323	OW	P	
UTE 1-7A2	07	010S	020W	4301330025	5850	14-20-462-811	OW	P	
UTE 2-17C6	17	030S	060W	4301331033	10115	14-20-H62-1118	OW	P	
WLR TRIBAL 2-19C6	19	030S	060W	4301331035	10250	14-20-H62-1120	OW	P	
CEDAR RIM 10-A-15C6	15	030S	060W	4301330615	6420	14-20-H62-1128	OW	P	
CEDAR RIM 12A	28	030S	060W	4301331173	10672	14-20-H62-1323	OW	P	
UTE-FEE 2-33C6	33	030S	060W	4301331123	10365	14-20-H62-1328	OW	P	
TAYLOR 3-34C6	34	030S	060W	4301350200	17572	1420H621329	OW	P	
BAKER UTE 2-34C6	34	030S	060W	4301332634	14590	14-20-H62-1329	OW	P	
UTE 3-35Z2 K	35	010N	020W	4301331133	10483	14-20-H62-1614	OW	P	
UTE 1-32Z2	32	010N	020W	4301330379	1915	14-20-H62-1702	OW	P	
UTE TRIBAL 1-33Z2	33	010N	020W	4301330334	1851	14-20-H62-1703	OW	P	
UTE 2-33Z2	33	010N	020W	4301331111	10451	14-20-H62-1703	OW	P	
UTE TRIBAL 2-34Z2	34	010N	020W	4301331167	10668	14-20-H62-1704	OW	P	
LAKE FORK RANCH 3-13B4	13	020S	040W	4301334262	17439	14-20-H62-1743	OW	P	
UTE 1-28B4	28	020S	040W	4301330242	1796	14-20-H62-1745	OW	P	
UTE 1-34A4	34	010S	040W	4301330076	1585	14-20-H62-1774	OW	P	
UTE 1-36A4	36	010S	040W	4301330069	1580	14-20-H62-1793	OW	P	
UTE 1-1B4	01	020S	040W	4301330129	1700	14-20-H62-1798	OW	P	
UTE 1-31A2	31	010S	020W	4301330401	1925	14-20-H62-1801	OW	P	

UTE 1-25A3	25	010S	030W	4301330370	1920	14-20-H62-1802	OW	P	
UTE 2-25A3	25	010S	030W	4301331343	11361	14-20-H62-1802	OW	P	
UTE 1-26A3	26	010S	030W	4301330348	1890	14-20-H62-1803	OW	P	
UTE 2-26A3	26	010S	030W	4301331340	11349	14-20-H62-1803	OW	P	
UTE TRIBAL 4-35A3	35	010S	030W	4301350274	18009	1420H621804	OW	P	C
UTE 2-35A3	35	010S	030W	4301331292	11222	14-20-H62-1804	OW	P	
UTE 3-35A3	35	010S	030W	4301331365	11454	14-20-H62-1804	OW	P	
UTE 1-6B2	06	020S	020W	4301330349	1895	14-20-H62-1807	OW	P	
UTE 2-6B2	06	020S	020W	4301331140	11190	14-20-H62-1807	OW	P	
UTE TRIBAL 3-6B2	06	020S	020W	4301350273	18008	14-20-H62-1807	OW	P	C
POWELL 4-19A1	19	010S	010W	4301330071	8302	14-20-H62-1847	OW	P	
COLTHARP 1-27Z1	27	010N	010W	4301330151	4700	14-20-H62-1933	OW	P	
UTE 1-8A1E	08	010S	010E	4304730173	1846	14-20-H62-2147	OW	P	
UTE TRIBE 1-31	31	010N	020W	4301330278	4755	14-20-H62-2421	OW	P	
UTE 1-28B6X	28	020S	060W	4301330510	11165	14-20-H62-2492	OW	P	
RINKER 2-21B5	21	020S	050W	4301334166	17299	14-20-H62-2508	OW	P	
MURDOCK 2-34B5	34	020S	050W	4301331132	10456	14-20-H62-2511	OW	P	
UTE 1-35B6	35	020S	060W	4301330507	2335	14-20-H62-2531	OW	P	
UTE TRIBAL 1-17A1E	17	010S	010E	4304730829	860	14-20-H62-2658	OW	P	
UTE 2-17A1E	17	010S	010E	4304737831	16709	14-20-H62-2658	OW	P	
UTE TRIBAL 1-27A1E	27	010S	010E	4304730421	800	14-20-H62-2662	OW	P	
UTE TRIBAL 1-35A1E	35	010S	010E	4304730286	795	14-20-H62-2665	OW	P	
UTE TRIBAL 1-15A1E	15	010S	010E	4304730820	850	14-20-H62-2717	OW	P	
UTE TRIBAL P-3B1E	03	020S	010E	4304730190	4536	14-20-H62-2873	OW	P	
UTE TRIBAL 1-22A1E	22	010S	010E	4304730429	810	14-20-H62-3103	OW	P	
B H UTE 1-35C6	35	030S	060W	4301330419	10705	14-20-H62-3436	OW	P	
BH UTE 2-35C6	35	030S	060W	4301332790	15802	14-20-H62-3436	OW	P	
MCFARLANE 1-4D6	04	040S	060W	4301331074	10325	14-20-H62-3452	OW	P	
UTE TRIBAL 1-11D6	11	040S	060W	4301330482	6415	14-20-H62-3454	OW	P	
CARSON 2-36A1	36	010S	010W	4304731407	737	14-20-H62-3806	OW	P	
UTE 2-14C6	14	030S	060W	4301330775	9133	14-20-H62-3809	OW	P	
DWR 3-14C6	14	030S	060W	4301334003	17092	14-20-H62-3809	OW	P	
THE PERFECT "10" 1-10A1	10	010S	010W	4301330935	9461	14-20-H62-3855	OW	P	
BADGER-SAM H U MONGUS 1-15A1	15	010S	010W	4301330949	9462	14-20-H62-3860	OW	P	
MAXIMILLIAN-UTE 14-1	14	010S	030W	4301330726	8437	14-20-H62-3868	OW	P	
FRED BASSETT 1-22A1	22	010S	010W	4301330781	9460	14-20-H62-3880	OW	P	
UTE TRIBAL 1-30Z1	30	010N	010W	4301330813	9405	14-20-H62-3910	OW	P	
UTE LB 1-13A3	13	010S	030W	4301330894	9402	14-20-H62-3980	OW	P	
UTE 2-22B6	22	020S	060W	4301331444	11641	14-20-H62-4614	OW	P	
UINTA OURAY 1-1A3	01	010S	030W	4301330132	5540	14-20-H62-4664	OW	P	
UTE 1-6D6	06	040S	060W	4301331696	12058	14-20-H62-4752	OW	P	
UTE 2-11D6	11	040S	060W	4301350179	17667	1420H624801	OW	P	
UTE 1-15D6	15	040S	060W	4301330429	10958	14-20-H62-4824	OW	P	
UTE 2-15D6	15	040S	060W	4301334026	17193	14-20-H62-4824	OW	P	
HILL 3-24C6	24	030S	060W	4301350293	18020	1420H624866	OW	P	C
BARCLAY UTE 2-24C6R	24	030S	060W	4301333730	16385	14-20-H62-4866	OW	P	
BROTHERSON 1-2B4	02	020S	040W	4301330062	1570	FEE	OW	P	
BOREN 1-24A2	24	010S	020W	4301330084	5740	FEE	OW	P	
FARNSWORTH 1-13B5	13	020S	050W	4301330092	1610	FEE	OW	P	
BROADHEAD 1-21B6	21	020S	060W	4301330100	1595	FEE	OW	P	
ASAY E J 1-20A1	20	010S	010W	4301330102	8304	FEE	OW	P	
HANSON TRUST 1-5B3	05	020S	030W	4301330109	1635	FEE	OW	P	
ELLSWORTH 1-8B4	08	020S	040W	4301330112	1655	FEE	OW	P	
ELLSWORTH 1-9B4	09	020S	040W	4301330118	1660	FEE	OW	P	
ELLSWORTH 1-17B4	17	020S	040W	4301330126	1695	FEE	OW	P	
CHANDLER 1-5B4	05	020S	040W	4301330140	1685	FEE	OW	P	
HANSON 1-32A3	32	010S	030W	4301330141	1640	FEE	OW	P	
JESSEN 1-17A4	17	010S	040W	4301330173	4725	FEE	OW	P	

JENKINS 1-1B3	01	020S	030W	4301330175	1790	FEE	OW	P	
GOODRICH 1-2B3	02	020S	030W	4301330182	1765	FEE	OW	P	
ELLSWORTH 1-19B4	19	020S	040W	4301330183	1760	FEE	OW	P	
DOYLE 1-10B3	10	020S	030W	4301330187	1810	FEE	OW	P	
JOS. SMITH 1-17C5	17	030S	050W	4301330188	5510	FEE	OW	P	
RUDY 1-11B3	11	020S	030W	4301330204	1820	FEE	OW	P	
CROOK 1-6B4	06	020S	040W	4301330213	1825	FEE	OW	P	
HUNT 1-21B4	21	020S	040W	4301330214	1840	FEE	OW	P	
LAWRENCE 1-30B4	30	020S	040W	4301330220	1845	FEE	OW	P	
YOUNG 1-29B4	29	020S	040W	4301330246	1791	FEE	OW	P	
GRIFFITHS 1-33B4	33	020S	040W	4301330288	4760	FEE	OW	P	
POTTER 1-2B5	02	020S	050W	4301330293	1826	FEE	OW	P	
BROTHERSON 1-26B4	26	020S	040W	4301330336	1856	FEE	OW	P	
SADIE BLANK 1-33Z1	33	010N	010W	4301330355	765	FEE	OW	P	
POTTER 1-24B5	24	020S	050W	4301330356	1730	FEE	OW	P	
WHITEHEAD 1-22A3	22	010S	030W	4301330357	1885	FEE	OW	P	
CHASEL MILLER 2-1A2	01	010S	020W	4301330360	5830	FEE	OW	P	
ELDER 1-13B2	13	020S	020W	4301330366	1905	FEE	OW	P	
BROTHERSON 2-10B4	10	020S	040W	4301330443	1615	FEE	OW	P	
FARNSWORTH 2-7B4	07	020S	040W	4301330470	1935	FEE	OW	P	
TEW 1-15A3	15	010S	030W	4301330529	1945	FEE	OW	P	
UTE FEE 2-20C5	20	030S	050W	4301330550	4527	FEE	OW	P	
HOUSTON 1-34Z1	34	010N	010W	4301330566	885	FEE	OW	P	
GALLOWAY 1-18B1	18	020S	010W	4301330575	2365	FEE	OW	P	
SMITH 1-31B5	31	020S	050W	4301330577	1955	FEE	OW	P	
LEBEAU 1-34A1	34	010S	010W	4301330590	1440	FEE	OW	P	
LINMAR 1-19B2	19	020S	020W	4301330600	9350	FEE	OW	P	
WISSE 1-28Z1	28	010N	010W	4301330609	905	FEE	OW	P	
POWELL 1-21B1	21	020S	010W	4301330621	910	FEE	OW	P	
HANSEN 1-24B3	24	020S	030W	4301330629	2390	FEE	OW	P	
OMAN 2-4B4	04	020S	040W	4301330645	9125	FEE	OW	P	
DYE 1-25Z2	25	010N	020W	4301330659	9111	FEE	OW	P	
H MARTIN 1-21Z1	21	010N	010W	4301330707	925	FEE	OW	P	
JENSEN 1-29Z1	29	010N	010W	4301330725	9110	FEE	OW	P	
CHASEL 2-17A1 V	17	010S	010W	4301330732	9112	FEE	OW	P	
BIRCHELL 1-27A1	27	010S	010W	4301330758	940	FEE	OW	P	
CHRISTENSEN 2-8B3	08	020S	030W	4301330780	9355	FEE	OW	P	
LAMICQ 2-5B2	05	020S	020W	4301330784	2302	FEE	OW	P	
BROTHERSON 2-14B4	14	020S	040W	4301330815	10450	FEE	OW	P	
MURRAY 3-2A2	02	010S	020W	4301330816	9620	FEE	OW	P	
HORROCKS 2-20A1 V	20	010S	010W	4301330833	8301	FEE	OW	P	
BROTHERSON 2-2B4	02	020S	040W	4301330855	8420	FEE	OW	P	
ELLSWORTH 2-8B4	08	020S	040W	4301330898	2418	FEE	OW	P	
OMAN 2-32A4	32	010S	040W	4301330904	10045	FEE	OW	P	
BELCHER 2-33B4	33	020S	040W	4301330907	9865	FEE	OW	P	
BROTHERSON 2-35B5	35	020S	050W	4301330908	9404	FEE	OW	P	
HORROCKS 2-4A1 T	04	010S	010W	4301330954	9855	FEE	OW	P	
JENSEN 2-29A5	29	010S	050W	4301330974	10040	FEE	OW	P	
UTE 2-34A4	34	010S	040W	4301330978	10070	FEE	OW	P	
CHANDLER 2-5B4	05	020S	040W	4301331000	10075	FEE	OW	P	
BABCOCK 2-12B4	12	020S	040W	4301331005	10215	FEE	OW	P	
BADGER MR BOOM BOOM 2-29A1	29	010S	010W	4301331013	9463	FEE	OW	P	
BLEAZARD 2-18B4	18	020S	040W	4301331025	1566	FEE	OW	P	
BROADHEAD 2-32B5	32	020S	050W	4301331036	10216	FEE	OW	P	
ELLSWORTH 2-16B4	16	020S	040W	4301331046	10217	FEE	OW	P	
RUST 3-4B3	04	020S	030W	4301331070	1576	FEE	OW	P	
HANSON TRUST 2-32A3	32	010S	030W	4301331072	1641	FEE	OW	P	
BROTHERSON 2-11B4	11	020S	040W	4301331078	1541	FEE	OW	P	



HANSON TRUST 2-5B3	05	020S	030W	4301331079	1636	FEE	OW	P	
BROTHERSON 2-15B4	15	020S	040W	4301331103	1771	FEE	OW	P	
MONSEN 2-27A3	27	010S	030W	4301331104	1746	FEE	OW	P	
ELLSWORTH 2-19B4	19	020S	040W	4301331105	1761	FEE	OW	P	
HUNT 2-21B4	21	020S	040W	4301331114	1839	FEE	OW	P	
JENKINS 2-1B3	01	020S	030W	4301331117	1792	FEE	OW	P	
POTTER 2-24B5	24	020S	050W	4301331118	1731	FEE	OW	P	
POWELL 2-13A2 K	13	010S	020W	4301331120	8306	FEE	OW	P	
JENKINS 2-12B3	12	020S	030W	4301331121	10459	FEE	OW	P	
MURDOCK 2-26B5	26	020S	050W	4301331124	1531	FEE	OW	P	
BIRCH 3-27B5	27	020S	050W	4301331126	1783	FEE	OW	P	
ROBB 2-29B5	29	020S	050W	4301331130	10454	FEE	OW	P	
LAKE FORK 2-13B4	13	020S	040W	4301331134	10452	FEE	OW	P	
DUNCAN 3-1A2 K	01	010S	020W	4301331135	10484	FEE	OW	P	
HANSON 2-9B3	09	020S	030W	4301331136	10455	FEE	OW	P	
ELLSWORTH 2-9B4	09	020S	040W	4301331138	10460	FEE	OW	P	
UTE 2-31A2	31	010S	020W	4301331139	10458	FEE	OW	P	
POWELL 2-19A1 K	19	010S	010W	4301331149	8303	FEE	OW	P	
CEDAR RIM 8-A	22	030S	060W	4301331171	10666	FEE	OW	P	
POTTER 2-6B4	06	020S	040W	4301331249	11038	FEE	OW	P	
MILES 2-1B5	01	020S	050W	4301331257	11062	FEE	OW	P	
MILES 2-3B3	03	020S	030W	4301331261	11102	FEE	OW	P	
MONSEN 2-22A3	22	010S	030W	4301331265	11098	FEE	OW	P	
WRIGHT 2-13B5	13	020S	050W	4301331267	11115	FEE	OW	P	
TODD 2-21A3	21	010S	030W	4301331296	11268	FEE	OW	P	
WEIKART 2-29B4	29	020S	040W	4301331298	11332	FEE	OW	P	
YOUNG 2-15A3	15	010S	030W	4301331301	11344	FEE	OW	P	
CHRISTENSEN 2-29A4	29	010S	040W	4301331303	11235	FEE	OW	P	
BLEAZARD 2-28B4	28	020S	040W	4301331304	11433	FEE	OW	P	
REARY 2-17A3	17	010S	030W	4301331318	11251	FEE	OW	P	
LAZY K 2-11B3	11	020S	030W	4301331352	11362	FEE	OW	P	
LAZY K 2-14B3	14	020S	030W	4301331354	11452	FEE	OW	P	
MATTHEWS 2-13B2	13	020S	020W	4301331357	11374	FEE	OW	P	
LAKE FORK 3-15B4	15	020S	040W	4301331358	11378	FEE	OW	P	
STEVENSON 3-29A3	29	010S	030W	4301331376	11442	FEE	OW	P	
MEEKS 3-8B3	08	020S	030W	4301331377	11489	FEE	OW	P	
ELLSWORTH 3-20B4	20	020S	040W	4301331389	11488	FEE	OW	P	
DUNCAN 5-13A2	13	010S	020W	4301331516	11776	FEE	OW	P	
OWL 3-17C5	17	030S	050W	4301332112	12476	FEE	OW	P	
BROTHERSON 2-24 B4	24	020S	040W	4301332695	14652	FEE	OW	P	
BODRERO 2-15B3	15	020S	030W	4301332755	14750	FEE	OW	P	
BROTHERSON 2-25B4	25	020S	040W	4301332791	15044	FEE	OW	P	
CABINLAND 2-16B3	16	020S	030W	4301332914	15236	FEE	OW	P	
KATHERINE 3-29B4	29	020S	040W	4301332923	15331	FEE	OW	P	
SHRINERS 2-10C5	10	030S	050W	4301333008	15908	FEE	OW	P	
BROTHERSON 2-26B4	26	020S	040W	4301333139	17047	FEE	OW	P	
MORTENSEN 4-32A2	32	010S	020W	4301333211	15720	FEE	OW	P	
FERRARINI 3-27B4	27	020S	040W	4301333265	15883	FEE	OW	P	
RHOADES 2-25B5	25	020S	050W	4301333467	16046	FEE	OW	P	
CASE 2-31B4	31	020S	040W	4301333548	16225	FEE	OW	P	
ANDERSON-ROWLEY 2-24B3	24	020S	030W	4301333616	16284	FEE	OW	P	
SPROUSE BOWDEN 2-18B1	18	020S	010W	4301333808	16677	FEE	OW	P	
BROTHERSON 3-11B4	11	020S	040W	4301333904	16891	FEE	OW	P	
KOFFORD 2-36B5	36	020S	050W	4301333988	17048	FEE	OW	P	
ALLEN 3-7B4	07	020S	040W	4301334027	17166	FEE	OW	P	
BOURNAKIS 3-18B4	18	020S	040W	4301334091	17264	FEE	OW	P	
MILES 3-12B5	12	020S	050W	4301334110	17316	FEE	OW	P	
OWL and HAWK 2-31B5	31	020S	050W	4301334123	17388	FEE	OW	P	

OWL and HAWK 4-17C5	17	030S	050W	4301334193	17387	FEE	OW	P	
DWR 3-32B5	32	020S	050W	4301334207	17371	FEE	OW	P	
LAKE FORK RANCH 3-22B4	22	020S	040W	4301334261	17409	FEE	OW	P	
HANSON 3-9B3	09	020S	030W	4301350065	17570	FEE	OW	P	
DYE 2-28A1	28	010S	010W	4301350066	17531	FEE	OW	P	
MEEKS 3-32A4	32	010S	040W	4301350069	17605	FEE	OW	P	
HANSON 4-8B3	08	020S	030W	4301350088	17571	FEE	OW	P	C
LAKE FORK RANCH 3-14B4	14	020S	040W	4301350097	17484	FEE	OW	P	
ALLEN 3-9B4	09	020S	040W	4301350123	17656	FEE	OW	P	
HORROCKS 4-20A1	20	010S	010W	4301350155	17916	FEE	OW	P	
HURLEY 2-33A1	33	010S	010W	4301350166	17573	FEE	OW	P	
HUTCHINS/CHIODO 3-20C5	20	030S	050W	4301350190	17541	FEE	OW	P	
ALLEN 3-8B4	08	020S	040W	4301350192	17622	FEE	OW	P	
OWL and HAWK 3-10C5	10	030S	050W	4301350193	17532	FEE	OW	P	
OWL and HAWK 3-19C5	19	030S	050W	4301350201	17508	FEE	OW	P	
EL PASO 4-29B5	29	020S	050W	4301350208	17934	FEE	OW	P	C
DONIHUE 3-20C6	20	030S	060W	4301350270	17762	FEE	OW	P	
HANSON 3-5B3	05	020S	030W	4301350275	17725	FEE	OW	P	C
SPRATT 3-26B5	26	020S	050W	4301350302	17668	FEE	OW	P	
REBEL 3-35B5	35	020S	050W	4301350388	17911	FEE	OW	P	C
FREEMAN 4-16B4	16	020S	040W	4301350438	17935	Fee	OW	P	C
WILSON 3-36B5	36	020S	050W	4301350439	17936	Fee	OW	P	C
EL PASO 3-21B4	21	020S	040W	4301350474	18123	Fee	OW	P	C
IORG 4-12B3	12	020S	030W	4301350487	17981	Fee	OW	P	C
CONOVER 3-3B3	03	020S	030W	4301350526	18122	Fee	OW	P	C
ROWLEY 3-16B4	16	020S	040W	4301350569	18151	Fee	OW	P	C
POTTS 3-14B3	14	020S	030W	4301350570	18366	Fee	OW	P	C
POTTER 4-27B5	27	020S	050W	4301350571	99999	Fee	OW	P	C
EL PASO 4-21B4	21	020S	040W	4301350572	18152	Fee	OW	P	C
LAKE FORK RANCH 3-26B4	26	020S	040W	4301350707	18270	Fee	OW	P	C
LAKE FORK RANCH 3-25B4	25	020S	040W	4301350711	18220	Fee	OW	P	C
LAKE FORK RANCH 4-23B4	23	020S	040W	4301350713	18271	Fee	OW	P	C
LAKE FORK RANCH 4-15B4	15	020S	040W	4301350715	18314	Fee	OW	P	C
LAKE FORK RANCH 3-24B4	24	020S	040W	4301350716	18269	Fee	OW	P	C
GOLINSKI 1-8C4	08	030S	040W	4301350986	18301	Fee	OW	P	C
J ROBERTSON 1-1B1	01	020S	010W	4304730174	5370	FEE	OW	P	
TIMOTHY 1-8B1E	08	020S	010E	4304730215	1910	FEE	OW	P	
MAGDALENE PAPADOPULOS 1-34A1E	34	010S	010E	4304730241	785	FEE	OW	P	
NELSON 1-31A1E	31	010S	010E	4304730671	830	FEE	OW	P	
ROSEMARY LLOYD 1-24A1E	24	010S	010E	4304730707	840	FEE	OW	P	
H D LANDY 1-30A1E	30	010S	010E	4304730790	845	FEE	OW	P	
WALKER 1-14A1E	14	010S	010E	4304730805	855	FEE	OW	P	
BOLTON 2-29A1E	29	010S	010E	4304731112	900	FEE	OW	P	
PRESCOTT 1-35Z1	35	010N	010W	4304731173	1425	FEE	OW	P	
BISEL GURR 11-1	11	010S	010W	4304731213	8438	FEE	OW	P	
UTE TRIBAL 2-22A1E	22	010S	010E	4304731265	915	FEE	OW	P	
L. BOLTON 1-12A1	12	010S	010W	4304731295	920	FEE	OW	P	
FOWLES 1-26A1	26	010S	010W	4304731296	930	FEE	OW	P	
BRADLEY 23-1	23	010S	010W	4304731297	8435	FEE	OW	P	
BASTIAN 1-2A1	02	010S	010W	4304731373	736	FEE	OW	P	
D R LONG 2-19A1E	19	010S	010E	4304731470	9505	FEE	OW	P	
D MOON 1-23Z1	23	010N	010W	4304731479	10310	FEE	OW	P	
O MOON 2-26Z1	26	010N	010W	4304731480	10135	FEE	OW	P	
LILA D 2-25A1	25	010S	010W	4304731797	10790	FEE	OW	P	
LANDY 2-30A1E	30	010S	010E	4304731895	11127	FEE	OW	P	
WINN P2-3B1E	03	020S	010E	4304732321	11428	FEE	OW	P	
BISEL-GURR 2-11A1	11	010S	010W	4304735410	14428	FEE	OW	P	
FLYING J FEE 2-12A1	12	010S	010W	4304739467	16686	FEE	OW	P	

HARVEST FELLOWSHIP CHURCH 2-14B1	14	020S	010W	4304739591	16546	FEE	OW	P	
OBERHANSKY 3-11A1	11	010S	010W	4304739679	17937	FEE	OW	P	
DUNCAN 2-34A1	34	010S	010W	4304739944	17043	FEE	OW	P	
BISEL GURR 4-11A1	11	010S	010W	4304739961	16791	FEE	OW	P	
KILLIAN 3-12A1	12	010S	010W	4304740226	17761	ML 39760	OW	P	
WAINOCO ST 1-14B1	14	020S	010W	4304730818	1420	ML-24306-A	OW	P	
UTAH ST UTE 1-35A1	35	010S	010W	4304730182	5520	ML-25432	OW	P	
STATE 1-19A4	19	010S	040W	4301330322	9118	ML-27912	OW	P	
FEDERAL 2-28E19E	28	050S	190E	4304732849	12117	UTU-0143512	OW	P	
FEDERAL 1-28E19E	28	050S	190E	4304730175	5680	UTU143512	OW	P	
BLANCHARD 1-3A2	03	010S	020W	4301320316	5877	FEE	OW	PA	
W H BLANCHARD 2-3A2	03	010S	020W	4301330008	5775	FEE	OW	PA	
YACK U 1-7A1	07	010S	010W	4301330018	5795	FEE	OW	PA	
JAMES POWELL 3	13	010S	020W	4301330024	8305	FEE	WD	PA	
BASTIAN 1 (3-7D)	07	010S	010W	4301330026	5800	FEE	OW	PA	
LAMICQ-URRUTY 1-8A2	08	010S	020W	4301330036	5975	FEE	OW	PA	
BLEAZARD 1-18B4	18	020S	040W	4301330059	11262	FEE	OW	PA	
OLSEN 1-27A4	27	010S	040W	4301330064	1565	FEE	OW	PA	
EVANS 1-31A4	31	010S	040W	4301330067	5330	FEE	OW	PA	
HAMBLIN 1-26A2	26	010S	020W	4301330083	2305	FEE	OW	PA	
HARTMAN 1-31A3	31	010S	030W	4301330093	10700	FEE	OW	PA	
FARNSWORTH 1-7B4	07	020S	040W	4301330097	5725	FEE	OW	PA	
POWELL 1-33A3	33	010S	030W	4301330105	4526	FEE	OW	PA	
LOTRIDGE GATES 1-3B3	03	020S	030W	4301330117	1625	FEE	OW	PA	
REMINGTON 1-34A3	34	010S	030W	4301330139	1670	FEE	OW	PA	
ANDERSON 1-28A2	28	010S	020W	4301330150	5895	FEE	OW	PA	
RHOADES MOON 1-35B5	35	020S	050W	4301330155	5270	FEE	OW	PA	
JOHN 1-3B2	03	020S	020W	4301330160	5765	FEE	OW	PA	
SMITH 1-6C5	06	030S	050W	4301330163	5385	FEE	OW	PA	
HORROCKS FEE 1-3A1	03	010S	010W	4301330171	5505	FEE	OW	PA	
WARREN 1-32A4	32	010S	040W	4301330174	9139	FEE	OW	PA	
JENSEN FENZEL 1-20C5	20	030S	050W	4301330177	4730	FEE	OW	PA	
MYRIN RANCH 1-13B4	13	020S	040W	4301330180	4524	FEE	OW	PA	
BROTHERSON 1-27B4	27	020S	040W	4301330185	1775	FEE	OW	PA	
JENSEN 1-31A5	31	010S	050W	4301330186	4735	FEE	OW	PA	
ROBERTSON 1-29A2	29	010S	020W	4301330189	4740	FEE	OW	PA	
WINKLER 1-28A3	28	010S	030W	4301330191	5465	FEE	OW	PA	
CHENEY 1-33A2	33	010S	020W	4301330202	1750	FEE	OW	PA	
J LAMICQ STATE 1-6B1	06	020S	010W	4301330210	5730	FEE	OW	PA	
REESE ESTATE 1-10B2	10	020S	020W	4301330215	5700	FEE	OW	PA	
REEDER 1-17B5	17	020S	050W	4301330218	5460	FEE	OW	PA	
ROBERTSON UTE 1-2B2	02	020S	020W	4301330225	1710	FEE	OW	PA	
HATCH 1-5B1	05	020S	010W	4301330226	5470	FEE	OW	PA	
BROTHERSON 1-22B4	22	020S	040W	4301330227	5935	FEE	OW	PA	
ALLRED 1-16A3	16	010S	030W	4301330232	1780	FEE	OW	PA	
BIRCH 1-35A5	35	010S	050W	4301330233	9116	FEE	OW	PA	
MARQUERITE UTE 1-8B2	08	020S	020W	4301330235	9122	FEE	OW	PA	
BUZZI 1-11B2	11	020S	020W	4301330248	6335	FEE	OW	PA	
SHISLER 1-3B1	03	020S	010W	4301330249	5960	FEE	OW	PA	
TEW 1-1B5	01	020S	050W	4301330264	5580	FEE	OW	PA	
EVANS UTE 1-19B3	19	020S	030W	4301330265	1870	FEE	OW	PA	
SHELL 2-27A4	27	010S	040W	4301330266	1776	FEE	WD	PA	
DYE 1-29A1	29	010S	010W	4301330271	99990	FEE	OW	PA	
VODA UTE 1-4C5	04	030S	050W	4301330283	4530	FEE	OW	PA	
BROTHERSON 1-28A4	28	010S	040W	4301330292	9114	FEE	OW	PA	
MEAGHER 1-4B2	04	020S	020W	4301330313	8402	FEE	OW	PA	
NORLING 1-9B1	09	020S	010W	4301330315	1811	FEE	OW	PA	
S. BROADHEAD 1-9C5	09	030S	050W	4301330316	5940	FEE	OW	PA	

TIMOTHY 1-09A3	09	010S	030W	4301330321	10883	FEE	OW	PA
BARRETT 1-34A5	34	010S	050W	4301330323	9115	FEE	OW	PA
MEAGHER TRIBAL 1-9B2	09	020S	020W	4301330325	9121	FEE	OW	PA
PHILLIPS UTE 1-3C5	03	030S	050W	4301330333	1816	FEE	OW	PA
ELLSWORTH 1-20B4	20	020S	040W	4301330351	6375	FEE	OW	PA
LAWSON 1-28A1	28	010S	010W	4301330358	5915	FEE	OW	PA
AMES 1-23A4	23	010S	040W	4301330375	1901	FEE	OW	PA
HORROCKS 1-6A1	06	010S	010W	4301330390	5675	FEE	OW	PA
SHRINE HOSPITAL 1-10C5	10	030S	050W	4301330393	5565	FEE	OW	PA
GOODRICH 1-18B2	18	020S	020W	4301330397	5485	FEE	OW	PA
SWD POWELL 3	13	010S	020W	4301330478	10708	FEE	WD	PA
BODRERO 1-15B3	15	020S	030W	4301330565	4534	FEE	OW	PA
MOON TRIBAL 1-30C4	30	030S	040W	4301330576	2360	FEE	OW	PA
DUNCAN 2-9B5	09	020S	050W	4301330719	5440	FEE	OW	PA
FISHER 1-16A4	16	010S	040W	4301330737	2410	FEE	OW	PA
URRUTY 2-34A2	34	010S	020W	4301330753	9117	FEE	OW	PA
GOODRICH 1-24A4	24	010S	040W	4301330760	2415	FEE	OW	PA
CARL SMITH 2-25A4	25	010S	040W	4301330776	9136	FEE	OW	PA
ANDERSON 1-A30B1	30	020S	010W	4301330783	9137	FEE	OW	PA
CADILLAC 3-6A1	06	010S	010W	4301330834	6316	FEE	OW	PA
MCELPRANG 2-31A1	31	010S	010W	4301330836	8439	FEE	OW	PA
REESE ESTATE 2-10B2	10	020S	020W	4301330837	2417	FEE	OW	PA
CLARK 2-9A3	09	010S	030W	4301330876	2416	FEE	OW	PA
JENKINS 3-16A3	16	010S	030W	4301330877	9790	FEE	OW	PA
CHRISTENSEN 2-26A5	26	010S	050W	4301330905	10710	FEE	OW	PA
FORD 2-36A5	36	010S	050W	4301330911	9630	FEE	OW	PA
MORTENSEN 2-32A2	32	010S	020W	4301330929	9486	FEE	OW	PA
WILKERSON 1-20Z1	20	010N	010W	4301330942	5452	FEE	OW	PA
UTE TRIBAL 2-4A3 S	04	010S	030W	4301330950	10230	FEE	OW	PA
OBERHANSKY 2-31Z1	31	010N	010W	4301330970	9262	FEE	OW	PA
MORRIS 2-7A3	07	010S	030W	4301330977	9725	FEE	OW	PA
POWELL 2-08A3	08	010S	030W	4301330979	10175	FEE	OW	PA
FISHER 2-6A3	06	010S	030W	4301330984	10110	FEE	OW	PA
JACOBSEN 2-12A4	12	010S	040W	4301330985	10480	FEE	OW	PA
CHENEY 2-33A2	33	010S	020W	4301331042	10313	FEE	OW	PA
HANSON TRUST 2-29A3	29	010S	030W	4301331043	5306	FEE	OW	PA
BURTON 2-15B5	15	020S	050W	4301331044	10205	FEE	OW	PA
EVANS-UTE 2-17B3	17	020S	030W	4301331056	10210	FEE	OW	PA
ELLSWORTH 2-20B4	20	020S	040W	4301331090	5336	FEE	OW	PA
REMINGTON 2-34A3	34	010S	030W	4301331091	1902	FEE	OW	PA
WINKLER 2-28A3	28	010S	030W	4301331109	4519	FEE	OW	PA
TEW 2-10B5	10	020S	050W	4301331125	1751	FEE	OW	PA
LINDSAY 2-33A4	33	010S	040W	4301331141	1756	FEE	OW	PA
FIELDSTED 2-28A4	28	010S	040W	4301331293	10665	FEE	OW	PA
POWELL 4-13A2	13	010S	020W	4301331336	11177	FEE	GW	PA
DUMP 2-20A3	20	010S	030W	4301331505	11691	FEE	OW	PA
SMITH 2X-23C7	23	030S	070W	4301331634	12382	FEE	D	PA
MORTENSEN 3-32A2	32	010S	020W	4301331872	11928	FEE	OW	PA
TODD USA ST 1-2B1	02	020S	010W	4304730167	99998	FEE	OW	PA
STATE 1-7B1E	07	020S	010E	4304730180	5555	FEE	OW	PA
BACON 1-10B1E	10	020S	010E	4304730881	5550	FEE	OW	PA
PARIETTE DRAW 28-44	28	040S	010E	4304731408	4537	FEE	OW	PA
REYNOLDS 2-7B1E	07	020S	010E	4304731840	4960	FEE	OW	PA
STATE 2-35A2	35	010S	020W	4301330156	4715	ML-22874	OW	PA
UTAH STATE L B 1-11B1	11	020S	010W	4304730171	5530	ML-23655	OW	PA
STATE 1-8A3	08	010S	030W	4301330286	5655	ML-24316	OW	PA
UTAH FEDERAL 1-24B1	24	020S	010W	4304730220	590	ML-26079	OW	PA
CEDAR RIM 15	34	030S	060W	4301330383	6395	14-20-462-1329	OW	S

UTE TRIBAL 2-24C7	24	030S	070W	4301331028	10240	14-20-H62-1135	OW	S	
CEDAR RIM 12	28	030S	060W	4301330344	6370	14-20-H62-1323	OW	S	
CEDAR RIM 16	33	030S	060W	4301330363	6390	14-20-H62-1328	OW	S	
SPRING HOLLOW 2-34Z3	34	010N	030W	4301330234	5255	14-20-H62-1480	OW	S	
EVANS UTE 1-17B3	17	020S	030W	4301330274	5335	14-20-H62-1733	OW	S	
UTE JENKS 2-1-B4 G	01	020S	040W	4301331197	10844	14-20-H62-1782	OW	S	
UTE 3-12B3	12	020S	030W	4301331379	11490	14-20-H62-1810	OW	S	
UTE TRIBAL 9-4B1	04	020S	010W	4301330194	5715	14-20-H62-1969	OW	S	
UTE TRIBAL 2-21B6	21	020S	060W	4301331424	11615	14-20-H62-2489	OW	S	
UTE 1-33B6	33	020S	060W	4301330441	1230	14-20-H62-2493	OW	S	
UTE 2-22B5	22	020S	050W	4301331122	10453	14-20-H62-2509	OW	S	
UTE 1-18B1E	18	020S	010E	4304730969	9135	14-20-H62-2864	OW	S	
LAUREN UTE 1-23A3	23	010S	030W	4301330895	9403	14-20-H62-3981	OW	S	
UTE 2-28B6	28	020S	060W	4301331434	11624	14-20-H62-4622	OW	S	
UTE 1-27B6X	27	020S	060W	4301330517	11166	14-20-H62-4631	OW	S	
UTE 2-27B6	27	020S	060W	4301331449	11660	14-20-H62-4631	OW	S	
CEDAR RIM 10-15C6	15	030S	060W	4301330328	6365	14-20-H62-4724	OW	S	
UTE 5-30A2	30	010S	020W	4301330169	5910	14-20-H62-4863	OW	S	
UTE TRIBAL G-1 (1-24C6)	24	030S	060W	4301330298	4533	14-20-H62-4866	OW	S	
UTE TRIBAL FEDERAL 1-30C5	30	030S	050W	4301330475	665	14-20-H62-4876	OW	S	
SMB 1-10A2	10	010S	020W	4301330012	5865	FEE	OW	S	
KENDALL 1-12A2	12	010S	020W	4301330013	5875	FEE	OW	S	
CEDAR RIM 2	20	030S	060W	4301330019	6315	FEE	OW	S	
URRUTY 2-9A2	09	010S	020W	4301330046	5855	FEE	OW	S	
BROTHERSON 1-14B4	14	020S	040W	4301330051	1535	FEE	OW	S	
RUST 1-4B3	04	020S	030W	4301330063	1575	FEE	OW	S	
MONSEN 1-21A3	21	010S	030W	4301330082	1590	FEE	OW	S	
BROTHERSON 1-10B4	10	020S	040W	4301330110	1614	FEE	OW	S	
FARNSWORTH 1-12B5	12	020S	050W	4301330124	1645	FEE	OW	S	
ELLSWORTH 1-16B4	16	020S	040W	4301330192	1735	FEE	OW	S	
MARSHALL 1-20A3	20	010S	030W	4301330193	9340	FEE	OW	S	
CHRISTMAN BLAND 1-31B4	31	020S	040W	4301330198	4745	FEE	OW	S	
ROPER 1-14B3	14	020S	030W	4301330217	1850	FEE	OW	S	
BROTHERSON 1-24B4	24	020S	040W	4301330229	1865	FEE	OW	S	
BROTHERSON 1-33A4	33	010S	040W	4301330272	1680	FEE	OW	S	
BROTHERSON 1-23B4	23	020S	040W	4301330483	8423	FEE	OW	S	
SMITH ALBERT 2-8C5	08	030S	050W	4301330543	5495	FEE	OW	S	
VODA JOSEPHINE 2-19C5	19	030S	050W	4301330553	5650	FEE	OW	S	
HANSEN 1-16B3	16	020S	030W	4301330617	9124	FEE	OW	S	
BROTHERSON 1-25B4	25	020S	040W	4301330668	9126	FEE	OW	S	
POWELL 2-33A3	33	010S	030W	4301330704	2400	FEE	OW	S	
BROWN 2-28B5	28	020S	050W	4301330718	9131	FEE	OW	S	
EULA-UTE 1-16A1	16	010S	010W	4301330782	8443	FEE	OW	S	
JESSEN 1-15A4	15	010S	040W	4301330817	9345	FEE	OW	S	
R HOUSTON 1-22Z1	22	010N	010W	4301330884	936	FEE	OW	S	
FIELDSTED 2-27A4	27	010S	040W	4301330915	9632	FEE	OW	S	
HANSKUTT 2-23B5	23	020S	050W	4301330917	9600	FEE	OW	S	
TIMOTHY 3-18A3	18	010S	030W	4301330940	9633	FEE	OW	S	
BROTHERSON 2-3B4	03	020S	040W	4301331008	10165	FEE	OW	S	
BROTHERSON 2-22B4	22	020S	040W	4301331086	1782	FEE	OW	S	
MILES 2-35A4	35	010S	040W	4301331087	1966	FEE	OW	S	
ELLSWORTH 2-17B4	17	020S	040W	4301331089	1696	FEE	OW	S	
RUST 2-36A4	36	010S	040W	4301331092	1577	FEE	OW	S	
EVANS 2-19B3	19	020S	030W	4301331113	1777	FEE	OW	S	
FARNSWORTH 2-12B5	12	020S	050W	4301331115	1646	FEE	OW	S	
CHRISTENSEN 3-4B4	04	020S	040W	4301331142	10481	FEE	OW	S	
ROBERTSON 2-29A2	29	010S	020W	4301331150	10679	FEE	OW	S	
CEDAR RIM 2A	20	030S	060W	4301331172	10671	FEE	OW	S	



HARTMAN 2-31A3	31	010S	030W	4301331243	11026	FEE	OW	S	
GOODRICH 2-2B3	02	020S	030W	4301331246	11037	FEE	OW	S	
JESSEN 2-21A4	21	010S	040W	4301331256	11061	FEE	OW	S	
BROTHERSON 3-23B4	23	020S	040W	4301331289	11141	FEE	OW	S	
MYRIN RANCH 2-18B3	18	020S	030W	4301331297	11475	FEE	OW	S	
BROTHERSON 2-2B5	02	020S	050W	4301331302	11342	FEE	OW	S	
DASTRUP 2-30A3	30	010S	030W	4301331320	11253	FEE	OW	S	
YOUNG 2-30B4	30	020S	040W	4301331366	11453	FEE	OW	S	
IORG 2-10B3	10	020S	030W	4301331388	11482	FEE	OW	S	
MONSEN 3-27A3	27	010S	030W	4301331401	11686	FEE	OW	S	
HORROCKS 2-5B1E	05	020S	010E	4304732409	11481	FEE	OW	S	
LARSEN 1-25A1	25	010S	010W	4304730552	815	FEE	OW	TA	
DRY GULCH 1-36A1	36	010S	010W	4304730569	820	FEE	OW	TA	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: LAKE FORK RANCH 3-14B4	
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.	9. API NUMBER: 43013500970000	
3. ADDRESS OF OPERATOR: 1001 Louisiana, Houston, TX, 77002	PHONE NUMBER: 713 997-5038 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1321 FSL 1246 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 14 Township: 02.0S Range: 04.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <b>7/24/2013</b>	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

EP may need to acidize with 10000 gals 15% HCL while performing routine ops.

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

Date: July 23, 2013

By: *Derek Duff*

NAME (PLEASE PRINT) Maria S. Gomez	PHONE NUMBER 713 997-5038	TITLE Principal Regulatory Analyst
SIGNATURE N/A		DATE 7/22/2013

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: LAKE FORK RANCH 3-14B4	
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.		9. API NUMBER: 43013500970000
3. ADDRESS OF OPERATOR: 1001 Louisiana, Houston, TX, 77002	PHONE NUMBER: 713 997-5038 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1321 FSL 1246 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 14 Township: 02.0S Range: 04.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <b>1/15/2014</b>	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Recomplete to Wasatch and Lower Green River. See attached for details.

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

Date: January 14, 2014

By: *Derek Duff*

NAME (PLEASE PRINT) Maria S. Gomez	PHONE NUMBER 713 997-5038	TITLE Principal Regulatory Analyst
SIGNATURE N/A		DATE 1/14/2014

## **Lake Fork Ranch 3-14B4 Summary Procedure**

- POOH ESP equipment & tubing
- Circulate & Clean wellbore
- RIH with 4-1/2"CBP, set plug at ~11,365' and dump 10' of cement
- Perforate new interval from in Upper Wasatch from 11,079' – 11,326'
- Stimulate perfs 5,000 gals 15% HCL, 3000# of 100 mesh sand, & ~75,000# of 30/50 Resin Coated Sand
- RIH with 4-1/2" CBP and set plug at ~11,065'.
- Perforate new intervals in the Upper Wasatch from 10,808' – 11,055'
- Stimulate perfs 5,000 gals 15% HCL, 3000# of 100 mesh sand, & ~75,000# of 30/50 Resin Coated Sand
- RIH with 4-1/2"CBP and set plug at ~10,802'.
- Perforate new interval from in Lower Green River 10,542' – 10,794'
- Stimulate perfs 15,000 gals 15% HCL
- Drill out CBPs at ~10,802' and 11,065'
- RIH w/tubing and ESP equipment, put well back on production
- Clean location and resume production, leaving CBP @ ~11,365' (this may be drilled up at a later date and commingled)

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MININGAMENDED REPORT ☐ FORM 8  
(highlight changes)

<b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG</b>						5. LEASE DESIGNATION AND SERIAL NUMBER:					
						6. IF INDIAN, ALLOTTEE OR TRIBE NAME					
						7. UNIT or CA AGREEMENT NAME					
						8. WELL NAME and NUMBER:					
1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____						9. API NUMBER:					
b. TYPE OF WORK: NEW WELL <input type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____						10 FIELD AND POOL, OR WILDCAT					
2. NAME OF OPERATOR:						11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:					
3. ADDRESS OF OPERATOR: CITY _____ STATE _____ ZIP _____						PHONE NUMBER: _____		12. COUNTY		13. STATE UTAH	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE:  AT TOP PRODUCING INTERVAL REPORTED BELOW:  AT TOTAL DEPTH:						17. ELEVATIONS (DF, RKB, RT, GL):					
14. DATE SPUDDED:		15. DATE T.D. REACHED:		16. DATE COMPLETED: ABANDONED <input type="checkbox"/> READY TO PRODUCE <input type="checkbox"/>							
18. TOTAL DEPTH: MD _____ TVD _____		19. PLUG BACK T.D.: MD _____ TVD _____		20. IF MULTIPLE COMPLETIONS, HOW MANY? *		21. DEPTH BRIDGE MD _____ PLUG SET: TVD _____					
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)						23. WAS WELL CORED? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit copy)					
24. CASING AND LINER RECORD (Report all strings set in well)											
HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED		
25. TUBING RECORD											
SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)			
26. PRODUCING INTERVALS					27. PERFORATION RECORD						
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS			
(A)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>			
(B)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>			
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>			
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>			
28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. See attached for further information on #27 & #28.											
DEPTH INTERVAL		AMOUNT AND TYPE OF MATERIAL									
29. ENCLOSED ATTACHMENTS: All logs are submitted to UDOGM by vendor.								30. WELL STATUS:			
<input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS				<input type="checkbox"/> GEOLOGIC REPORT		<input type="checkbox"/> DST REPORT		<input type="checkbox"/> DIRECTIONAL SURVEY			
<input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION				<input type="checkbox"/> CORE ANALYSIS		<input type="checkbox"/> OTHER: _____					



**31. INITIAL PRODUCTION****INTERVAL A (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

**INTERVAL B (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

**INTERVAL C (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

**INTERVAL D (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

**32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)****33. SUMMARY OF POROUS ZONES (Include Aquifers):**

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

**34. FORMATION (Log) MARKERS:**

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)

**35. ADDITIONAL REMARKS (Include plugging procedure)**

**36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.**

NAME (PLEASE PRINT) \_\_\_\_\_ TITLE \_\_\_\_\_

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: LAKE FORK RANCH 3-14B4	
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.	9. API NUMBER: 43013500970000	
3. ADDRESS OF OPERATOR: 1001 Louisiana, Houston, TX, 77002	PHONE NUMBER: 713 997-5038 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1321 FSL 1246 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 14 Township: 02.0S Range: 04.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <b>9/10/2014</b>	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input type="text" value="Drill Out Plugs"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Drill out plugs @ 11365', 11360' and install bigger ESP.

**Approved by the**  
**September 04, 2014**  
**Oil, Gas and Mining**

Date: \_\_\_\_\_

By: Derek Duff

NAME (PLEASE PRINT) Maria S. Gomez	PHONE NUMBER 713 997-5038	TITLE Principal Regulatory Analyst
SIGNATURE N/A	DATE 9/4/2014	

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MININGAMENDED REPORT ☐ FORM 8  
(highlight changes)

<b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG</b>						5. LEASE DESIGNATION AND SERIAL NUMBER:			
						6. IF INDIAN, ALLOTTEE OR TRIBE NAME			
1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____						7. UNIT or CA AGREEMENT NAME			
b. TYPE OF WORK: NEW WELL <input type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____						8. WELL NAME and NUMBER:			
2. NAME OF OPERATOR:						9. API NUMBER:			
3. ADDRESS OF OPERATOR: CITY _____ STATE _____ ZIP _____					PHONE NUMBER:	10 FIELD AND POOL, OR WILDCAT			
4. LOCATION OF WELL (FOOTAGES) AT SURFACE:  AT TOP PRODUCING INTERVAL REPORTED BELOW:  AT TOTAL DEPTH:						11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:			
						12. COUNTY		13. STATE UTAH	
14. DATE SPUDDED:		15. DATE T.D. REACHED:		16. DATE COMPLETED: ABANDONED <input type="checkbox"/> READY TO PRODUCE <input type="checkbox"/>		17. ELEVATIONS (DF, RKB, RT, GL):			
18. TOTAL DEPTH: MD _____ TVD _____		19. PLUG BACK T.D.: MD _____ TVD _____		20. IF MULTIPLE COMPLETIONS, HOW MANY? *		21. DEPTH BRIDGE MD _____ PLUG SET: TVD _____			
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)					23. WAS WELL CORED? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit copy)				
24. CASING AND LINER RECORD (Report all strings set in well)									
HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
25. TUBING RECORD									
SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	
26. PRODUCING INTERVALS					27. PERFORATION RECORD				
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS	
(A)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.									
DEPTH INTERVAL		AMOUNT AND TYPE OF MATERIAL							
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<input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION				<input type="checkbox"/> CORE ANALYSIS		<input type="checkbox"/> OTHER: _____			

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CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

**INTERVAL D (As shown in item #26)**

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CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

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Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

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Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)

**35. ADDITIONAL REMARKS (Include plugging procedure)**

**36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.**

NAME (PLEASE PRINT) \_\_\_\_\_ TITLE \_\_\_\_\_

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

This report must be submitted within 30 days of

- completing or plugging a new well
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- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

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## CENTRAL DIVISION

ALTAMONT FIELD  
LAKE FORK RANCH 3-14B4  
LAKE FORK RANCH 3-14B4  
RECOMPLETE LAND

### Operation Summary Report

Disclaimer: Although the information contained in this report is based on sound engineering practices, the copyright owner(s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.



## 1 General

### 1.1 Customer Information

Company	CENTRAL DIVISION
Representative	
Address	

### 1.2 Well Information

Well	LAKE FORK RANCH 3-14B4		
Project	ALTAMONT FIELD	Site	LAKE FORK RANCH 3-14B4
Rig Name/No.		Event	RECOMPLETE LAND
Start date	1/21/2014	End date	9/27/2014
Spud Date/Time	2/15/2010	UWI	014-002-S 004-W 30
Active datum	KB @6,231.0ft (above Mean Sea Level)		
Afe No./Description	162363/50537 / LAKE FORK RANCH 3-14B4		

## 2 Summary

### 2.1 Operation Summary

Date	Time Start-End		Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
1/23/2014	6:00	7:30	1.50	PRDHEQ	28		P		CT TGSM & JSA ( NU PROCEDURES )
	7:30	10:30	3.00	PRDHEQ	16		P		SHUT DOWN PUMP, FLUSH TBG AND FLOWLINE. NU BOPE AND HYDRILL, RU WORK FLOOR AND TBG EQUIPMENT.
	10:30	18:00	7.50	PRDHEQ	39		P		POOH W/ 1 JT PUP JTS, RU SPOOLERS & SHEAVES, POOH W/ 3/8" CAP AND CABLE W/ 302 JTS, DRAIN SUB, 2 JTS, PSN, 2 JTS, L/D PUMP ASSEMBLY AND SHIP TO GE IN CASPER, SWI SHUT DOWN FOR DAY
1/24/2014	6:00	7:30	1.50	WLWORK	28		P		CT TGSM & JSA ( WIRE LINE OPERATIONS )
	7:30	9:30	2.00	WLWORK	16		P		ND BOPE AND HYDRILL, NU FRAC VALVE AND WIRE LINE FLANGE.
	9:30	16:00	6.50	WLWORK	26		P		RIH WITH JB AND GR GOT HUNG ON BANDS WORK FREE POOH HAD MULTIPLE BANDS ON GR. RIH AGAIN TO 11,400'. RIH SET CBP @ 11,365' FILL CASING W/ 367 BBLs. RIH PRESSURE UP CASING TO 2000 PSIG. SET 2ND CBP @ 11,360'. RIH DUMP BAIL 10' CEMENT ON TOP OF PLUG. SWI RD WIRE LINE. SHUT DOWN FOR DAY.
1/25/2014	6:00	7:30	1.50	WLWORK	28		P		TGSM AND JSA ( NU PROCEDURES )
	7:30	15:00	7.50	WLWORK	16		P		NU AND TEST STACK TO 10K, TEST CASING TO 8K
	15:00	19:00	4.00	WLWORK	21		P		RIH W/ 2 CONSECUTIVE 2 3/4" HSC GUN RUNS LOADED 3 JSPF W/ 120 DEG PHASING W/ 15.1 CHARGES. PERFORATE 11326 TO 11079 HOLDING 1000 PSIG SURFACE PRESSURE. ENDING PRESSURE 100 PSIG. SWI RD WIRE LINE. RIG CREW SHUT DOWN FOR WEEK END
1/26/2014	6:00	7:30	1.50	MIRU	28		P		MI W/ FLOW BACK CREW, TGSM & JSA ( PROPER LIFTING TECHNIQS )
	7:30	12:00	4.50	MIRU	01		P		RIG FLOW BACK IRON FROM SURFACE CASING AND TREE, TO FLOW BACK TANKS.
1/27/2014	6:00	7:30	1.50	PRDHEQ	28		P		TGSM & JSA ( HEATING WATER )
	7:30	14:00	6.50	PRDHEQ	18		P		HEAT WATER FOR FRAC, SPOT SAND MASTERS START HAULING SAND
1/28/2014	6:00	7:30	1.50	MIRU	28		P		TGSM & JSA ( OVER HEAD OPERATIONS )
	7:30	11:00	3.50	MIRU	01		P		SPOT IN AND RIG UP BREAK DOWN
	11:00	16:00	5.00	STG01	35		N		WAIT ON PARTS REPAIR

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duratio n (hr)	Phase	Activit y	Sub	OP Code	MD from (ft)	Operation
	16:00 19:00	3.00	STG01	35	PRESSURE	P		PRESSURE TEST LINES AND EQUIPMENT, OPEN WELL ON VAC. PUMP 106 BBLS CATCH PRESSURE, FINISH BREAK DOWN W/ 30 BBLS AT 10 BPM @ 4399. ISDP @ 3000, 5 MIN, 1302, 10 MIN @ 532 15 MIN 0. PETER RE DESIGN FRAC ( PUMP ADDITIONAL 2000 # 100 MESH ) TREAT W/ 5000 GAL 15% HCL, 5000 # 100 MESH IN 1/2 PPG STAGE AND 75,280 30/50 IN 1/2, 1,2,3 PPG STAGES, ISDP @ 4420. AVE RATE 66 BPM @ 4831 PSIG, MAX RATE 78 BPM @ 7378 PSIG, FLUID LOSS FOR STAGE 2783. AVE HP @ 9131. PICKLE WELL HEAD SWI.
1/29/2014	6:00 6:30	0.50	WLWORK	28		P		TGSM & JSA ( WIRE LINE OPERATIONS )
	6:30 7:00	0.50	WLWORK	21		P		PRESSURE TEST ON LUBE FAILED
	7:00 9:00	2.00	WLWORK	21		N		WAIT ON BOPE, REPLACE BOPE
	9:00 14:00	5.00	WLWORK	21		P		CSIP @ VAC, RIH W/ PLUG SET @ 11,070. FILL W/ 260 BBLS, RIH SET 2ND PLUG W/ 2000 PSIG @ 11,065'. PRESSURE TEST TO 8K. PERFORATE STAGE 2 11055 TO 10808.
	14:00 16:30	2.50	STG02	35		P		PRESSURE TEST LINES AND EQUIPMENT, OPEN WELL ON VAC. FINISH BREAK DOWN W/ 30 BBLS AT 10 BPM @ 5103. ISDP @ 3158, 5 MIN, 1895, 10 MIN @ 1033 15 MIN 520. TREAT W/ 5000 GAL 15% HCL, 3940 # 100 MESH IN 1/2 PPG STAGE AND 75,660 30/50 IN 1/2, 1,2,3 PPG STAGES, ISDP @ 3005. AVE RATE 71 BPM @ 4155 PSIG, MAX RATE 77 BPM @ 6948 PSIG, FLUID LOSS FOR STAGE 2604. AVE HP @ 8788. PICKLE WELL HEAD TOT WIRE LINE.
	16:30 19:30	3.00	WLWORK	21		P		SET CBP @ 10,802' PERFORATE 10794 TO 10542 SWI SHUT DOWN FOR DAY
1/30/2014	6:00 7:30	1.50	STG03	28		P		CT TGSM & JSA ( PUMPING ACID )
	7:30 8:30	1.00	STG03	18		P		PRESSURE TEST AND THAW LINES NEEDED
	8:30 9:30	1.00	STG03	35		P		BREAK AT 5025 @ 10 BPM ISDP @ 3440, TREAT W/ 7500 GAL 15% HCL, DROP BIO BALLS PUMP 7500 GAL 15% HCL FLUSH 10 OVER, AVE RATE 41 BPM @ 4952, MAX RATE 50 BPM MAX PRES 8000 PSIG, GOOD BALL ACTION. ISDP @ 2925 5 MIN VAC. SWI
	9:30 14:30	5.00	RDMO	02		P		RD WEATHERFORD, ND STACK, NU BOPE, RU WORK FOOR AND TBG EQUIPMENT
	14:30 18:30	4.00	PRDHEQ	39		P		RIH W/ 3 5/8" BIT, BIT SUB, CHECK 4' PUP, CHECK, 15 JTS 2 3/8", 3 1/8" BAILER, DRAIN SUB, 14 JRS, X/O TO 2 7/8", 288 JTS 2 7/8" 8RD EUE TBG SWI, CREW SHUT DOWN FOR DAY.
1/31/2014	6:00 7:30	1.50	PRDHEQ	28		P		CT TGSM & JSA ( POWER SWIVEL OPERATIONS )
	7:30 17:30	10.00	PRDHEQ	40		P		RIH TAG @ 10802' DRILL UP CBP, PUSH TO 11,035' FINISH DRILLING UP CBP, BAIL OUT SAND TO 11,062' DRILL UP PUSH ON TOP OF CBP @ 11,070' BAILER LOCKED UP. SWIVEL DOWN PULL ABOVE LINER TOP
2/1/2014	6:00 7:30	1.50	PRDHEQ	28		P		CT TGSM & JSA ( POOH W/ TGB )
	7:30 11:30	4.00	PRDHEQ	39		P		POOH W/ 288 JTS, X/O 14 JTS 2 3/8", DRAIN SUB, BAILER, SAFETY, 15 JTS, CHECK, PUP JT, CHECK, BIT SUB, BIT ( LOST CONES )
	11:30 17:00	5.50	PRDHEQ	39		P		RIH W/ 3 5/8" SHOE, 6' EXT, TOP SUB, X/O, FLAPPER, PUP JT, FLAPPER, 15 JTS 2 3/8", SAFETY, 3 1/8" BAILER, DRAIN SUB, 14 JTS X/O, 294 JTS 2 7/8" 8RD EUE TBG. SWI SHUT DOWN FOR DAY
2/2/2014	6:00 7:30	1.50	PRDHEQ	28		P		TGSM & JSA ( RIH W/ TBG )
	7:30 19:00	11.50	PRDHEQ	39		P		RIH TAG W/ JT# 313 4' OUT RU POWER SWIVEL W/ 8' PUP MAKE 6' GOT STUCK ATTEMPT TO WORK FREE W/ NO SUCCESS ( PUMPED 450 BBLS DID NOT CATCH ANY PRESSURE ) SWI RELEASE(HAD 3' SAND ON TOP OF BIT REMAINS)
2/3/2014	6:00 7:30	1.50	PRDHEQ	28		P		TGSM & JSA ( MAKING BACK OFF )

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duratio n (hr)	Phase	Activit y	Sub	OP Code	MD from (ft)	Operation
	7:30 9:30	2.00	PRDHEQ	53		P		ATTEMPT TO WORK FREE W/ NO SUCCESS
	9:30 10:00	0.50	PRDHEQ	52		P		BACK OFF SAFETY JT
	10:00 13:00	3.00	PRDHEQ	52		P		POOH W/ 313 JTS 2 7/8" X/O, 14 JTS 2 3/8", DRAIN SUB, BAILER, 1/2 OF SAFETY JT
	13:00 17:30	4.50	PRDHEQ	52		P		RIH W/ 1/2 OF SAFETY JT, 3 JTS 2 3/8", X/O, X/O, 4 3/4" BUMPER SUB, 4 3/4" JARS, 4 4 3/4" DCS, INTENSIFIER, X/O, 4' PUP JT, 318 JTS TBG, FLUSH TBG W/ 70 BBLs
	17:30 19:00	1.50	PRDHEQ	52		P		PU 2 JTS TAG 15' OUT SCREW INTO SAFETY JT, ATTEMPT TO JAR FREE W/ NO SUCCESS, SWI SHUT DOWN FOR DAY. 120 BBLs WTR LOSS.
2/4/2014	6:00 7:30	1.50	WOR	28		P		CT TGSM & JSA ( JARRING PROCEDURES )I
	7:30 9:30	2.00	WOR	53		P		JAR ON FISH NO MOVEMENT
	9:30 13:30	4.00	WOR	53		P		WHILE JARRING ON FISH, MIX 20 BBL HSC PILL, PUMP 827 BBLs ( MIXING 5 GAL HSC PER 130 BBLs ) BEG BUILDING PRESSURE PUMP ADDITIONAL 50 BBLs INJECTING 3.5 BPM @ 350 PSIG.
	13:30 18:00	4.50	WOR	53		P		CONTINUE JARRING NO MOVEMENT SWI CREW SHUT DOWN FOR DAY
2/5/2014	6:00 7:30	1.50	WLWORK	28		P		CT TGSM & JSA ( WIRE LINE OPERATIONS )
	7:30 11:00	3.50	WLWORK	53		P		RIH SET UP FREE POINT TOOLS @ 10,600'. CIH TAG @ 11,006' ( FREE POINT @ 10,999 100% FREE ) POOH. RIH W/ CHEMICAL CUTTER, LOG THROUGH 2 3/8" TAG @ 11,006' PU 9' AND OK CUT W/ TROY ANDERTON. MAKE CUT. ( CUT BTM JT ABOVE SHOE ASSEMBLY ) POOH RD WIRE LINE UNIT.
	11:00 15:30	4.50	PRDHEQ	39		P		L/D SUBS POOH W/ 319 JTS 2 7/8", X/O, 3 JTS 2 3/8", SAFETY JT, 14 JTS 2 3/8", 16.6' OF CUT JT ( 15.75' LEFT )
	15:30 18:30	3.00	PRDHEQ	39		P		PUMU & RIH W/ 3 5/8" OVER SHOT DRESSED W/ 2 3/8" SPIRAL GPL, BUMPER SUB, JARS, X/O, 2 3 1/8" DCS, X/O, INTENSIFIER, INTENSIFIER, X/O, 14 JTS 2 3/8", X/O, 205 JTS 2 7/8" 8RD EUE TBG, SWI, EOT @ 6995'. CREW SHUT DOWN FOR DAY.
2/6/2014	6:00 7:30	1.50	PRDHEQ	28		P		CT TGSM & JSA ( RIH W/ TBG )
	7:30 9:00	1.50	PRDHEQ	39		P		CIH W/ 120 JTS 2 7/8" 8RD EUE TBG, PU 8' PUP TAG FISH TOP @ 11,000' EN GAUGE FISH
	9:00 10:30	1.50	PRDHEQ	14		P		STRING WIEGHT 65K SET JARS @ 80K PU GPL SLIPPED OFF, ATTEMPT TO LATCH ON AND JAR W/ SAME RESULTS
	10:30 14:30	4.00	PRDHEQ	39		P		POOH W/ 325 JTS 2 7/8", X/O, 14 JTS 2 3/8", L/S 3 1/8" ASSEMBLY, LOST GPL OUT OF OVER SHOT.
	14:30 17:30	3.00	PRDHEQ	39		P		MU AND RIH W/ 3 1/8" OVER SHOT W/ EXTENSION, DRESSED W/ 2 3/8" BASKET GPL, BUMPER SUB, JARS, 2 DCS, INT,INT, X/O, 14 JTS 2 3/8", X/O, 305 JTS 2 7/8" 8RD EUE TBG. EOT @ 11,360' SWI CREW SHUT DOWN FOR DAY.
2/7/2014	6:00 7:30	1.50	PRDHEQ	28		P		CT TGSM & JSA ( RIH W/ TBG )
	7:30 10:30	3.00	PRDHEQ	52		P		CIH W/ 20 JTS PU 8' PUP JT, LATCH ON FISH JAR FOR 2 HRS, PULLED FREE. NO DRAG.
	10:30 15:00	4.50	PRDHEQ	39		P		L/D SUB, POOH W/ 325 JTS, X/O 14 JTS 2 3/8", L/D FISHING ASSEMBLY, RECOVERED 6", GPL WAS BROKEN . SWI CREW SHUT DOWN FOR DAY.
2/8/2014	6:00 7:30	1.50	WOR	28		N		CT TGSM & JSA ( PU WASH OVER PIPE )
	7:30 19:00	11.50	WOR	52		N		RIH W/ 3 5/8" SHOE, 1 JT 3 1/2" WASH OVER PIPE, X/O, BUMPER SUB, JARS, X/O, 18 JTS 2 3/8", X/O 305 JTS, RU PUMP LINES, CIH W/ 21 JTS, RUU POWER SWIVEL, TAG FLAPPER @ 11,014' WASH OVER, DROP 4' TAG 2ND FLAPPER @ 11,019' WASH OVER 1 1/2', PU CIRCULATE CLEAN. PULL ABOVE LINER TOP. SWI CREW SHUT DOWN FOR DAY.
2/9/2014	6:00 7:30	1.50	WOR	28		P		CT TGSM & JSA ( POWER SWIVEL OPERATIONS )

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duratio n (hr)	Phase	Activit y	Sub	OP Code	MD from (ft)	Operation
	7:30 16:30	9.00	WOR	52		P		RIH, RU POWER SWIVEL, TAG @ 11020 BREAK CIRCULATION W/ 385, GOOD CIRCULATION W/ 450 BBLS, CUT 1.5' ( X/O ABOVE TOP SUB IS WASHED OVER ) NOT MAKING HOLE PU CIRCULATE CLEAN.
	16:30 18:00	1.50	WOR	39		P		SWIVEL DOWN PULL ABOVE LINER TOP, SWI, SHUT DOWN FOR WEEK END.
2/10/2014	6:00 6:30	0.50	PRDHEQ	18		P		SHUT DOWN FOR WEEK END
2/11/2014	6:00 7:30	1.50	PRDHEQ	28		P		CT TGSM & JSA ( POOH W/ TBG )
	7:30 11:00	3.50	PRDHEQ	39		P		POOH W/ 300 JTS 2 7/8" X/O 28 JTS 2 3/8" L/D BHA RETIRE SHOE.
	11:00 15:00	4.00	PRDHEQ	39		P		PUMU AND RIH W/ 3 5/8" SHOE, 2 JTS 3 1/2" WASH PIPE, TOP SUB, BUMPER SUB, JARS, X/O 26 JTS 2 3/8", X/O, 293 JTS 2 7/8" 8RD EUE TBG. SWI SHUT DOWN FOR DAY.
2/12/2014	6:00 7:30	1.50	WOR	28		P		CT TGSM & JSA ( POWER SWIVEL )
	7:30 19:00	11.50	WOR	06		P		RIH TAG W/ 12 OUT JT# 314 @ 11,014 ( TOP FLAPPER ) BREAK CIRCULATION W/ 550 BBLS CONTINUE WASHING OVER TO 11,020'. LOST CIRCULATION ( CASING BUILDING PRESSURE ) PU 20' KICK OUT PUMPS TBG WENT ON A VACUUM, RIH TAG @ 11,028' CONITUE MILLING MADE 3" CIRC CLEAN PULL ABOVE LINER.
2/13/2014	6:00 7:30	1.50	WOR	28		P		CT TGSM & JSA ( PUMP OPERATIONS )
	7:30 10:30	3.00	WOR	40		P		RIH TAG @ 11,028 BREAK CIRCULATION W/ 360 BBLS, WASH OVER ADDITIONAL 6", FISH DROPPED 23' RETAG AT 11,061, WEDGED FISH IN WASH OVER PIPE
	10:30 15:00	4.50	WOR	39		P		POOH W/ 315 JTS 2 7/8" X/O, 26 JTS 2 3/8" L/D WASH OVER ASSEMBLY. RECOVERED PARTIAL JT 2 3/8", FLAPPER, PUP JT, FLAPPER, X/O, TOP SUB.
	15:00 18:00	3.00	WOR	39		P		PUMU AND RIH W/ 2 15/16" MILL, BIT SUB, 30 JTS 2 3/8", X/O, 292 JTS 2 7/8" 8RD EUE TBG. EOT @ 10352' SWI CREW SHUT DOWN FOR DAY.
2/14/2014	6:00 7:30	1.50	WOR	28		P		TGSM & JSA ( RIH W/ TBG )
	7:30 14:00	6.50	WOR	06		P		CIH W/ 23 JTS TAG 22' OUT JT # 315 TAG @ 11,061' RU SWIVEL BREAK CIRCULATION W/ 315 BBLS, CLEAN OUT TO 11,068' STOPPED MAKING HOLE, CIRCULATE CLEAN.
	14:00 18:00	4.00	WOR	39		P		RD SWIVEL POOH W/ 315 JTS 2 7/8" X/O 30 JTS 2 3/8", BIT SUB 2 15/16" MILL SWI CREW SHUT DOWN FOR DAY.
2/15/2014	6:00 7:30	1.50	WOR	28		P		CT TGSM & JSA ( PU W/ BHA USE TAG LINES )
	7:30 11:30	4.00	WOR	39		P		RIH W/ 3" SPEAR ASSEMBLY, 20 2 3/8", X/O 315 JTS SPEAR SHOE @ 11,068'
	11:30 16:00	4.50	WOR	39		P		POOH W/ TBG AND FISHING ASSEMBLY, LAY DOWN SHOE EXTENSION AND SHOE.
	16:00 18:00	2.00	WOR	39		P		RIH W/ 3 5/8" MILL, BIT SUB, 30 JTS 2 3/8", X/O 252 JTS 2 7/8" 8RD EUE TBG. EOT @ 9,050'. SWI, CREW SHUT DOWN FOR DAY.
2/16/2014	6:00 7:30	1.50	WOR	28		P		CT TGSM & JSA ( MILLING OUT PLUGS )
	7:30 13:30	6.00	WOR	06		P		RIH W/ 63 JTS 2 7/8" 8RD EUE TBG, TAG @ 11,064' W/ JT # 315, BREAK CIRCULATION W/ 375, MILL UP CONES OFF BIT.
	13:30 18:30	5.00	WOR	04		P		DRILL UP CBP REMAINS AND CBP CHASE TO 11,228' PUDH TO 11,254' 15' OUT JT# 321 DRILL UP PLUG REMAINS, CIRCULATE WELL CLEAN. RD SWIVEL POOH W/ 21 JTS SWIFWE, CREW SHUT DOWN FOR WEEK END.
2/17/2014	6:00 6:00	24.00	PRDHEQ	18		P		SHUT DOWN FOR WEEK END
2/18/2014	6:00 7:30	1.50	WOR	26		P		CT HOLD SAFETY MTG ON R.U. POWER SWIVEL, WRITE & REVIEW JSA'S
	7:30 9:30	2.00	WOR	39		P		0 PSI ON WELL, OPEN WELL & RIH W/ 21 JTS 2-7/8" TBG, RU POWER SWIVEL, BREAK CIRC W/ 215 BBLS

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	9:30 11:30	2.00	WOR	10		P		CLEAN OUT SAND FROM 11254' TO CEMENT TOP @ 11355'
	11:30 15:00	3.50	WOR	06		P		CIRC WELL BORE CLEAN
	15:00 18:00	3.00	WOR	39		P		RIG DWN POWER SWIVEL, TOO H W/ 120 JTS 2-7/8" EUE N-80 TBG, FLUSHING W/ HOT OILER AS NEEDED, SECURE WELL SDFN
2/19/2014	6:00 7:30	1.50	WOR	28		P		CT HOLD SAFETY MTG ON LAYING DWN TBG, WRITE & REVIEW JSA'S
	7:30 10:00	2.50	WOR	39		P		CONT POOH W/ 203 JTS 2-7/8" TBG, 2-7/8" X 2-3/8" EOE X OVER, & LAY DWN 30 JTS 2-3/8" WORK STRING TBG, BIT SUB & MILL
	10:00 10:30	0.50	WOR	39		P		MU & RIH W/ 5-3/4" SOLID NO-GO, 8 JTS 2-7/8" EUE N-80 TBG, 2-7/8" DESANDER, 7" ASIX-1 PKR & 7" ON-OFF SKIRT
	10:30 16:30	6.00	WOR	39		P		RU HYDRO TESTING EQUIP, TIH W/ 323 JTS 2-7/8" EUE N-80 TBG TESTING TO 8500 PSI, RIG DWN TESTING EQUIP, PU 4 JTS 2-7/8" TBG, SET PKR @ 10213', DESANDER @, 10216' & EOT @ 10477'
	16:30 18:30	2.00	WOR	39		P		LAY DWN 21 JTS 2-7/8" TBG, POOH STANDING BACK IN DERRICK W/ 180 JTS 2-7/8" EUE N-80 TBG, SECURE WELL SDFN
2/20/2014	6:00 7:30	1.50	WOR	28		P		CT HOLD SAFETY MTG ON TOO H W/ TBG, WRITE & REVIEW JSA'S
	7:30 8:30	1.00	WOR	39		P		WELL ON VACUME, CONT TOO H W/ 148 JTS 2-7/8" TBG & 7" ON-OFF SKIRT
	8:30 10:00	1.50	WOR	16		P		RD WORK FLOOR, NDBOP, NU LANDING BOWL, BOP & HYDRILL, RU WORK FLOOR
	10:00 12:30	2.50	WOR	24		P		TALLY PU & SERVICE, 2-3/8" CHEM MANDREL, CENTINEL SENSOR, MOTOR, 2 SEALS, GAS SEP, 4 PUMPS, X OVER & 4' X 2-7/8" EUE N-80 TBG SUB,
	12:30 12:30	0.00	WOR	39		P		RU SPOOLERS, HOOK UP MOTOR LEAD & 1/4" CAP TUBE RIH W/ ESP EQUIP, 2 JTS 2-7/8" TBG, 2-7/8" DRAIN SUB, 2 JTS 2-7/8" TBG, 2-7/8" +45 P.S.N. & 208 JTS 2-7/8" EUE N-80 TBG BANDING ESP CABLE & CAP TUBE 3 BANDS PER JT, SECURE WELL SDFN
2/21/2014	6:00 7:30	1.50	WOR	28		P		CT HOLD SAFETY MTG ON TIH W/ TBG & ESP CABLE, WRITE & REVIEW JSA'S
	7:30 10:30	3.00	WOR	39		P		0 PSI ON WELL, CONT TIH W/ 90 JTS 2-7/8" EUE N80 TBG, ESP CABLE & 1/4" CAP TUBE BANDED 3 BANDS PER JT
	10:30 13:30	3.00	WOR	16		P		MAKE PENETRATOR SPLICE, LAND TBG, RIG DWN WORK FLOOR, ND HYDRILL & BOP, NUWH, HOOK UP FLOW LINES, FLUSH W/ 15 BBLS TEST TO 1200 PSI
	13:30 14:30	1.00	WOR	18		P		START ESP, TURN WELL OVER TO PRODUCTION, TO WINDY TO RIG DWN RIG, SDFD
9/11/2014	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; ROAD RIG
	7:00 10:30	3.50	MIRU	01		P		ROAD RIG FROM FLYING DUTCHMAN 1-24C5 TO LOCATION R/U HOT OIL TRUCK FLUSH TBG w 60 BBLS OF HOT 2% KCL WATER R/U AND FLUSH 1/4" CAP STRING w 14 GALS OF METHANOL MIRU
	10:30 11:00	0.50	WOR	16		P		N/D WELL HEAD ATTEMPT TO N/U LARKIN FLANGE FAILED FLANGE TO SHORT BOPE BOLTS WILL NOT MAKE UP 3K NUTS IN THE WAY
	11:00 14:30	3.50	WOR	16		N		FIND DIFFERANT LARKIN HEAD FLANGE IN VERNAL WAIT ON FLANGE
	14:30 16:00	1.50	WOR	16		P		N/U BOPE AND HYDRILL
	16:00 19:00	3.00	WOR	39		P		R/U SPOOLERS SOH w 107 JTS OF 2 7/8" TBG EOT 6241' SECURE WELL SDFN

9/12/2014



## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duratio n (hr)	Phase	Activit y	Sub	OP Code	MD from (ft)	Operation
	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; TRIPPING TUBING CUTTING BANDS...FLUSH TBG w 60 BBLS OF HOT 2% KCL WATER
	7:00 13:23	6.38	WOR	39		P		CONTINUE TOH w 199-JTS OF 2 7/8" TBG L/D ESP EQUIPMENT
	13:23 18:30	5.12	WOR	39		P		P/U ON/OFF TOOL TALLY IN w 281- JTS OF 2 7/8" TBG EOT 9055' SECURE WELL SDFN
9/13/2014	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; PICKING UP TUBING
	7:00 9:00	2.00	WOR	39		P		CONTINUE TIH w 36- JTS OF 2 7/8" TBG RELEASE DESANDER
	9:00 13:33	4.55	WOR	39		P		TOH w 320-JTS OF 2 7/8" TBG L/D DESANDER (PKR AND MUD JTS HAD SCALE ON AND IN SIDE...SAMPLE TURNED INTO BAKER CHEM)
	13:33 18:00	4.45	WOR	39		P		WRITE AND REVIEW JSA TOPIC; CLEAN OUT OPERATIONS...P/U 3 5/8" ROCK BIT CHECK VALVE 6' TBG SUB CHECK VALVE 22-JTS OF 2 3/8" TBG SAFTY JT BAILER CHECK VALVE DRAIN SUB CONTINUE TIH P/U 73-JTS OF 2 3/8" TBG XO CHANGE HANDLING TOOLS CONTINUE w 178-JTS OF 2 7/8" TBG EOT 8775' SECURE WELL SDFN
9/14/2014	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIGGING UP POWER SWIVEL
	7:00 17:00	10.00	WOR	10		P		CONTINUE TIH w 28 JTS OF 2 7/8" TBG TAG AT 11351' R/U POWER SWIVEL DRILL PLUG AT 11360' AND 11365' CHASE PLUG PARTS TO 12237'
	17:00 17:00	0.00	WOR	39		P		R/D POWER SWIVEL TOH w 48 JTS OF 2 7/8" TBG ABOVE LINER TOP EOT 10440' SECURE WELL SDFN
9/16/2014	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; CLEAN OUT OPERATIONS
	7:00 9:00	2.00	WOR	39		P		CSIP 750 PSI TSIP 550 PSI BLEED OFF WELL PUMP 60 BBLS OF 2% KCL DOWN ANNULUS
	9:00 16:00	7.00	WOR	10		P		TIH w 48 JTS OF 2 7/8" TBG TAG AT 12237' L/D 32 JTS OF 2 7/8" TBG TIH OUT OF DERRICK TAG 12237' R/U POWER SWIVEL CONTINUE C/O TO 12489' TMD
	16:00 18:00	2.00	WOR	39		P		R/U POWER SWIVEL SOH w 130 EOT 8315' SECURE WELL SDFN
9/17/2014	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; TRIPPING TUBING
	7:00 11:00	4.00	WOR	39		P		CSIP 100 PSI TSIP 50 PSI BLEED OFF WELL CONTINUE TOH w 134-JTS OF 2 7/8" TBG CHANGE HANDLING TOOLS 73-JTS OF 2 3/8" TBG L/D BAILER CLEANED CAVITIY HAD CEMENT SAND AND PLUG PARTS L/D BIT LOST CONE OFF BIT
	11:00 14:30	3.50	WOR	39		P		P/U 3.701 MILL P/U CHECK VALVE 6' TBG SUB CHECK VALVE 22-JTS OF 2 3/8" TBG SAFTY JT BAILER CHECK VALVE DRAIN SUB CONTINUE TIH P/U 73-JTS OF 2 3/8" TBG XO CHANGE HANDLING TOOLS CONTINUE w 226-JTS OF 2 7/8" TBG TAG AT 10812' (539' HIGHER THEN FIRST TAG AT 11351')
	14:30 18:00	3.50	WOR	04		P		R/U POWER SWIVEL MILL THROUGH TIGHT SPOT AT 10812' CONTINUE SWIVEL IN HOLE 4 JTS R/D POWER SWIVLE TOH w 2 7/8" TBG ABOVE LINER SECURE WELL SDFN EOT 10445'
9/18/2014	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; CLEAN OUT OPERATIONS
	7:00 18:30	11.50	WOR	39		P		CSIP 100 PSI TSIP 0 PSI BLEED OFF WELL TIH w 64 JTS OF 2 7/8" TBG TAG AT 12489' R/U POWER SWIVEL CONTINUE C/O LINER TO 12494' R/D POWER SWIVEL TOH w 64 JTS ABOVE LINER EOT 10445' SECURE WELL SDFN
9/19/2014	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; TRIPPING TUBING

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duratio n (hr)	Phase	Activit y	Sub	OP Code	MD from (ft)	Operation
	7:00 11:30	4.50	WOR	39		P		TOH L/D BAILER MILL HAD SOME SIDE WEAR AND WAS PLUGGED
	11:30 14:00	2.50	WOR	18		N		REPLACE AIR COMPRESSOR ON RIG
	14:00 18:00	4.00	WOR	39		P		P/U 3.625 MILL P/U CHECK VALVE 6' TBG SUB CHECK VALVE 22-JTS OF 2 3/8" TBG SAFTY JT BAILER CHECK VALVE DRAIN SUB CONTINUE TIH P/U 73-JTS OF 2 3/8" TBG XO CHANGE HANDLING TOOLS CONTINUE w 230-JTS OF 2 7/8" TBG EOT 10445' SECURE WELL SDFN
9/20/2014	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIGGING UP POWER SWIVEL
	7:00 16:30	9.50	WOR	10		P		CSIP 200 PSI TSIP 0 PSI TIH w 64 JTS OF 2 7/8" TBG TAG 12494' R/U POWER SWIVEL C/O LINER TO 13235' ACT LIKE BAILER IS PLUGGED
	16:30 18:00	1.50	WOR	10		P		R/D POWER SWIVEL TOH w 100 JTS OF 2 7/8" TBG SECURE WELL SDFN
9/21/2014	6:00 7:30	1.50	WOR	28		P		CREW TRAVEL, SAFETY MEETING ( LAYING DOWN AND PICKING UP NEW BAILER. TRAPPED PRESSURE. LINE OF FIRE AND EYES ON TARGET) FILL OUT AND REVIEW JSA
	7:30 10:30	3.00	WOR	39		P		CONTINUE TO TRIP OUT OF WELL WITH 231 JOINTS 2 7/8" TUBING AND 95 JOINTS 2 3/8" TUBING AND BAILER ASSEMBLY FINDING BAILER PLUGGED.
	10:30 14:00	3.50	WOR	39		P		PICK UP NEW BAILER ASSEMBLY AND TIH WITH 95 JOINTS 2 3/8" TUBING AND 231 JOINTS 2 7/8" TUBING TO LINER TOP. EOT @10,480'
	14:00 14:30	0.50	WOR	18		P		SECURE WELL AND SHUT DOWN FOR DAY
9/23/2014	6:00 7:30	1.50	WOR	28		P		TRAVEL TOLOCATION. HOLD SAFETY MEETING ON HAND PLACEMENT. FILL OUT & REVIEW JSA
	7:30 9:00	1.50	WOR	39		P		TIH W/ 86 JTS 2-7/8"EUE TBG. RU POWER SWIVEL
	9:00 12:00	3.00	WOR	04		P		TAG FILL @ 13233'. CLEAN OUT TO 13241'. MILL BECAME STUCK. WHILE ATTEMPTING TO WORK MILL FREE, PUSHER NOTICED CRACKED WELDS IN DRAW WORKS. SHUT DOWN TO REPAIR DRAW WORKS
	12:00 14:00	2.00	WOR	54		N		FILL OUT HOT WORK PERMIT & REPAIR DRAW WORKS
	14:00 16:00	2.00	WOR	53		P		WORK TBG FREE.
	16:00 18:00	2.00	WOR	39		P		RD POWE RSWIVEL. TOO H W/ 196 JTS 2-7/8"EUE TBG. SDFN
9/24/2014	6:00 7:30	1.50	WOR	28		P		TRAVEL TO LOCATION. HOLD SAFETY MEETING ON PROPER LIFTING. FILL OUT & REVIEW JSA
	7:30 17:30	10.00	WOR	39		P		TOOH W/ 145 JTS 2-7/8"EUE TBG, X-OVER, 73 JTS 2-3/8"EUE TBG, BAILER, 22 JTS 2-3/8" EUE TBG, CHECK VALVES, PUP JT & MILL. TIH W/ 5-3/4" SOLID NO/GO, 8 JTS 2-7/8" EUE TBG, DESANDER, ARROWSET PKR, ON/OFF TOOL & 318 JTS 2-7/8"EUE TBG. SET PKR @ 10213', DESANDER @ 10216' & EOT @ 10477', POOH W/ TBG & ON/OFF TOOL. SDFN
9/25/2014	6:00 7:30	1.50	INARTLT	28		P		CREW TRAVEL SAFETY MEETING ( PICKING UP ESP AND HANGING OVERHEAD EQUIPMENT. LINE OF FIRE AND HAND PLACEMENT
	7:30 14:00	6.50	INARTLT	24		P		PICK UP AND SERVICE ESP PUMP AND CAPSTRING
	14:00 15:30	1.50	INARTLT	39		P		TRIP INTO WELL WITH 37 STANDS 2 7/8" TUBING, CAP STRING ESP CABLE AND ESP PUMP.
	15:30 20:30	5.00	INARTLT	39		P		SHUT DOWN JOB BECAUSE CAPSTRING BECAME PLUGGED WHILE FLUSHING. CUT CAP STRING AND FLUSHED WHAT WAS IN THE HOLE. COULDN'T FLUSH WHAT WAS ON THE REEL. ORDERED IN NEW CAP STRING AND FLUSHED TUBING IN HOLE WITH BAKERCORP CHEMICAL. SECURE WELL SHUT DOWN FOR DAY

9/26/2014

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	6:00 7:30	1.50	INARTLT	28		P		CREW TRAVEL, SAFETY MEETING (HAND PLACEMENT, N/D BOP. N/U WELLHEAD) FILL OUT AND REVIEW JSA
	7:30 15:00	7.50	INARTLT	03		P		CHANGE OUT CAP STRING SPOOL, SPLICE CAP STRING AND CONTINUE TO TIH WITH 226 JOINTS TUBING. SPACE OUT ESP CABLE WITH 24' OF TUBING SUBS. MAKE CABLE SPLICE AND LAND TUBING.
	15:00 17:30	2.50	INARTLT	16		P		RIG DOWN RIG FLOOR, NIPPLE DOWN BOP AND HYDRILL, CHANGE ORINGS ON HANGER AND RELAND TUBING. NIPPLE UP FLOWLINE AND CHANGE OUT SURFACE PIGTAIL AND CONNECT PIGTAIL.
	17:30 21:00	3.50	INARTLT	09		P		PROGRAM SURFACE EQUIPMENT AND PREPARE TO START PUMP
9/27/2014	6:00 7:30	1.50	RDMO	28		P		CREW TRAVEL, SAFETY MEETING ( RIGGING DOWN AND MOVING OUT) FILL OUT AND REVIEW JSA
	7:30 10:00	2.50	RDMO	02		P		START ESP AND WAIT FOR FLUID TO REACH SURFACE, RIG DOWN RIG AND MOVE OUT

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<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: LAKE FORK RANCH 3-14B4	
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.	9. API NUMBER: 43013500970000	
3. ADDRESS OF OPERATOR: 1001 Louisiana, Houston, TX, 77002	PHONE NUMBER: 713 997-5038 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1321 FSL 1246 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 14 Township: 02.0S Range: 04.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input type="text" value="Conversion"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/29/2015			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Converted to Rotoflex/rods. See attached for details.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 September 08, 2015

NAME (PLEASE PRINT) Maria S. Gomez	PHONE NUMBER 713 997-5038	TITLE Principal Regulatory Analyst
SIGNATURE N/A		DATE 9/4/2015



## CENTRAL DIVISION

ALTAMONT FIELD  
LAKE FORK RANCH 3-14B4  
LAKE FORK RANCH 3-14B4  
WORKOVER LAND

### Operation Summary Report

Disclaimer: Although the information contained in this report is based on sound engineering practices, the copyright owner(s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.

## 1 General

### 1.1 Customer Information

Company	CENTRAL DIVISION
Representative	
Address	

### 1.2 Well Information

Well	LAKE FORK RANCH 3-14B4		
Project	ALTAMONT FIELD	Site	LAKE FORK RANCH 3-14B4
Rig Name/No.	NABORS DRILLING/0561	Event	WORKOVER LAND
Start date	7/20/2015	End date	7/30/2015
Spud Date/Time	2/15/2010	UWI	014-002-S 004-W 30
Active datum	KB @6,231.0ft (above Mean Sea Level)		
Afe No./Description	165012/54293 / LAKE FORK RANCH 3-14B4		

## 2 Summary

### 2.1 Operation Summary

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
7/28/2015	6:00 7:30	1.50	WOR	28		P		TRAVEL TO LOCATION, HSM, R/D & R/U RIG
	7:30 9:30	2.00	MIRU	01		P		CHECK PUMP ON 3-20B4, RDMO, MOVE TO LOCATION, SPOT & RIG UP. HOT OILER FLUSH TBG W/ 70 BBLS 2% KCL @ 200 DEG.
	9:30 10:30	1.00	WOR	16		P		N/D WH, N/U BOPS & HYDRIL
	10:30 19:00	8.50	WOR	39		P		R/U CABLE & CAP STRING SPOOLERS, L/D 1 JT 2 7/8" N-80 TBG, 3-2 7/8" N-80 TBG SUBS, TOO H W/ 315 JTS 2 7/8" N-80 TBG, 2 7/8" SEAT NIPPLE, 2 JTS 2 7/8" N-80 TBG, DRAIN SUB, 2 JTS 2 7/8" N-80 TBG, L/D 4'-2 7/8" N-80 TBG SUB, DIS CHARGE, 3 PUMPS, GAS SEPERATOR, SEAL, MOTOR, SENSOR, CHEM MANDREL. ( PUMPS TURNED FREE, CABLE TESTED GOOD, MOTOR TURNED FREE ), HOT OILER FLUSHING AS NEEDED. CLOSE BLIND RAMS, CSG TO SALES, SDFN.  2% KCL PUMPED = 150 BBLS DIESEL USED = 96 GAL PROPANE USED = 100 GAL
7/29/2015	6:00 7:30	1.50	WOR	28		P		TRAVEL TO LOCATION, HSM, HYDROTESTING TBG FCP 100#, BLEED OFF
	7:30 8:30	1.00	WOR	16		P		R/D FLOOR & TBG TONGS, N/D BOPS & HYDRIL, REMOVE ESP LANDING BOWL, N/U BOPS, R/U FLOOR & TBG TONGS
	8:30 10:00	1.50	WLWORK	32		P		MIRU DELSCO SL UNIT, RIH W/ 1 1/2" SINKER BARS, TAG @ 13290' SLD, POOH R/D SL UNIT

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	10:00 18:00	8.00	WOR	39		P		<p>P/U &amp; RIH W/ 5 3/4" SOLID NO-GO, 2 JTS 2 7/8" N-80 TBG, 5 1/2" PBGA W/ DIP TUBE, 2'-2 7/8" N-80 TBG SUB, 2 7/8" SEAT NIPPLE W/ SV IN PLACE, 4'-2 7/8": N-80 TBG SUB, 2 JTS 2 7/8" N-80 TBG, PSI TEST TO 8500#, RETRIEVE SV, R/U HYDROTESTER RIH HYDROTESTING TUBING TO 8500# W/ 2 JTS 2 7/8" N-80 TBG, 7" TAC, 314 JTS 2 7/8" N-80 TBG, R/D HYDROTESTER, NO LEAKS OR BLOWN JTS.</p> <p>P/U 6'-2 7/8" TBG SUB, HANGER, SET TAC @ 10158' W/ 25K TENSION, LAND ON HANGER.</p> <p>TBG SHUT IN, CSG TO SALES, SDFN.</p> <p>2% KCL PUMPED = 80 BBLS DIESEL USED = 88 GAL PROPANE USED = 75 GAL</p>
7/30/2015	6:00 7:30	1.50	WOR	28		P		<p>TRAVEL TO LOCATION, HSM, P/U RODS 100# SITP &amp; FCP, BLEED OFF HOT OILER FLUSH TBG W/ 70 BBLS 2% KCL @ 200 DEG, SPOT 10 GAL CORROSION INHIBITOR.</p>
	7:30 8:30	1.00	WOR	16		P		<p>R/D FLOOR &amp; TBG EQUIP, N/D BOPS, UNLAND TBG, REMOVE HANGER &amp; 6'-2 7/8" TBG SUB, INSTALL 10K TAPPED B-FLANGE, LAND &amp; N/U, HOOK UP FLOWLINE, INSTALL 60' CAPSTRING ASSEMBLY. X/O TO RODS</p>
	8:30 15:00	6.50	WOR	39		P		<p>P/U &amp; PRIME APS 2 1/2" X 1 1/2" X38' RHBC PUMP W/ 2 SV RIH P/U NEW ROD STRING W/ 16- 1 1/2" K-BARS 170-3/4" EL RODS W/G 134-7/8" EL RODS W/G 89-1" EL RODS, 34 SLK, 55 W/G SPACE W/ 1" EL PONY RODS = 2-2', 1-4', 1-6' P/U NEW 1 1/2" X 40' POLISH ROD, HANG OFF</p>
	15:00 15:30	0.50	WOR	08		P		<p>HOT OILER FILL TBG W/ 45 BBLS 2 % KCL, PSI TEST TO 500#, STROEK TEST TO 1000#, GOOD TEST, PSI TEST CV TO 1000#, GOOD, PUMP 10 BBLS 2% KCL @ 200 DEG ACROSS FLOWLINE</p>
	15:30 17:00	1.50	RDMO	18		P		<p>RDMO, SLIDE ROTAFLEX IN, CHECK PUMP, NO TAG , GOOD PUMP ACTION, TWOTO. CLEAN LOCATION, SDFN.</p> <p>2% KCL PUMPED = 150 BBLS DIESEL USED = 80 GAL PROPANE USED = 75 GAL</p>

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		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: LAKE FORK RANCH 3-14B4	
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.	9. API NUMBER: 43013500970000	
3. ADDRESS OF OPERATOR: 1001 Louisiana, Houston, TX, 77002	PHONE NUMBER: 713 997-5038 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1321 FSL 1246 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 14 Township: 02.0S Range: 04.0W Meridian: U	COUNTY: DUCHESNE	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <b>2/29/2016</b>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

EP plans to recomplete into the LGR. See attached for details.

**Approved by the**  
**February 25, 2016**  
**Oil, Gas and Mining**

Date: \_\_\_\_\_

By: Derek Duff

NAME (PLEASE PRINT) Maria S. Gomez	PHONE NUMBER 713 997-5038	TITLE Principal Regulatory Analyst
SIGNATURE N/A	DATE 2/25/2016	



## Lake Fork Ranch 3-14 B4 Recom Summary Procedure

- POOH with rods, pump & tubing. Inspect/Repair/Re-furbish as needed. Replace any bad tubing and joints of rods.
- Set 15K CBP for 4-1/2" 15.1# P-110 casing @ 10,525'. Dump bail 15' of cement on top of plug.
- Stage 1:
  - Perforate new LGR interval from 10,334' – 10,400'.
  - Acid Frac Perforations with 10,000 gals 15% HCl acid) (Stage 1 Recom).
- Stage 2:
  - RIH with 7" CBP & set @ 10,016'.
  - Perforate new LGR interval from 9,932' – 10,001'.
  - Acid Frac Perforations with 10,000 gals 15% HCl acid) (Stage 2 Recom).
- Stage 3:
  - RIH with 7" CBP & set @ 9,871'.
  - Perforate new LGR interval from 9,780' – 9,856'.
  - Prop Frac Perforations with 45,000 lbs 30/50 prop (w/ 5,000 lbs 100 mesh & 6,000 gals 15% HCl acid) (Stage 3 Recom).
- Stage 4:
  - RIH w/ 7" CBP & set @ 9,610'.
  - Perforate new LGR interval from 9,426' – 9,595'.
  - Prop Frac Perforations with 90,000 lbs 30/50 prop (w/ 5,000 lbs 100 mesh & 10,000 gals 15% HCl acid) (Stage 4 Recom).
- Stage 5:15K
  - RIH w/ 7" CBP & set @ 9,343'.
  - Perforate new LGR interval from 9,426' – 9,595'.
  - Acid Frac perforations with w/ 16,000 gals 15% HCl acid (Stage 5 Recom).
- Clean out well drilling up (4) 7" CBPs leaving (1) 4-1/2" 15K CBP @ 10,525' with 15' of cement on top of plug. (PBSD @ 10,510') Top perf BELOW plug @ 10,542'.
- RIH w/ production tubing and rods.
- Clean location and resume production.



## Current Schematic

Company Name: <b>EP Energy</b>	Date: February 24, 2016
Well Name: <b>LAKE FORK RANCH 3-14B4</b>	TD: 13,499
Field, County, State: <b>Altamont - Bluebell, Duchesne, Utah</b>	Updated By: <b>Kerr</b>
Surface Location: <b>Sec 14 T2S R4W 1321' FSL 1246' FEL</b>	BHL: <b>Straight Hole</b>
Producing Zone(s): <b>Wasatch</b>	Elevation: <b>6231' KB</b>
Rig: _____	Spud: <b>January 5, 2010</b>

~314 Jts 2-7/8" 6.5# N-80 8rd Tubing

### ROD DETAIL

1-1/2" x 40' Polished Rod  
14' x 1" EL Pony Rod  
89 (2,225') - 1" EL Rods (36 SLK, 55 W/G)  
134 (3,275') - 7/8" EL Rods W/G  
170 (4,250') - 3/4" EL Rods W/G  
16 (400') - 1 1/2" Sinker "K" Bars  
3' x 1" Stabilizer Sub W/ 3/4" Pins  
2-1/2" x 1-1/2" x 38' Insert Pump

9-5/8" 40# P-110 LTC @ 4,197'

Tubing Anchor Top @ ~10,158'  
4 jts 2-7/8" 6.5# N-80 8rd Tubing  
4.25' Pup Joint  
Seating Nipple @ ~10,293'  
2' x 2 7/8" Tubing Sub  
5 1/2" x 32' PBGA  
2 jt 2-7/8" Mud Anchor  
5 3/4" No-Go Nipple  
EOT @ ~10,395'

TOL @ 10,513'

7" 29# P-110 LTC @ 10,730'

Drill out CBPs & commingle-Sept'14  
CBP @ 11,360' w/ 10' cmt-Jan'14  
CBP @ 11,365'-Jan'14

UW & LGR Recom Jan '14  
Stage 3 (10,542'-10,792') 22'/66 holes  
15,000 gal 15% HCL  
Stage 2 (10,808'-11,055') 23'/69 holes  
5000 gal 15% HCL, 3,940 lbs 100 Mesh, 75,660 lbs 30/50 TLC  
Stage 1 (11,079'-11,326') 23'/69 holes  
5,000 gal 15% HCL, 5,000 lbs 100 Mesh, 75,000 lbs 30/50 TLC

### Initial Completion - 7 Stages

Stage 7: 11,370' - 11,496'  
Stage 6: 11,526' - 11,736'  
Stage 5: 11,779' - 12,096'  
Stage 4: 12,130' - 12,457'  
Stage 3: 12,492' - 12,793'  
Stage 2: 12,827' - 13,103'  
Stage 1: 13,147' - 13,402'

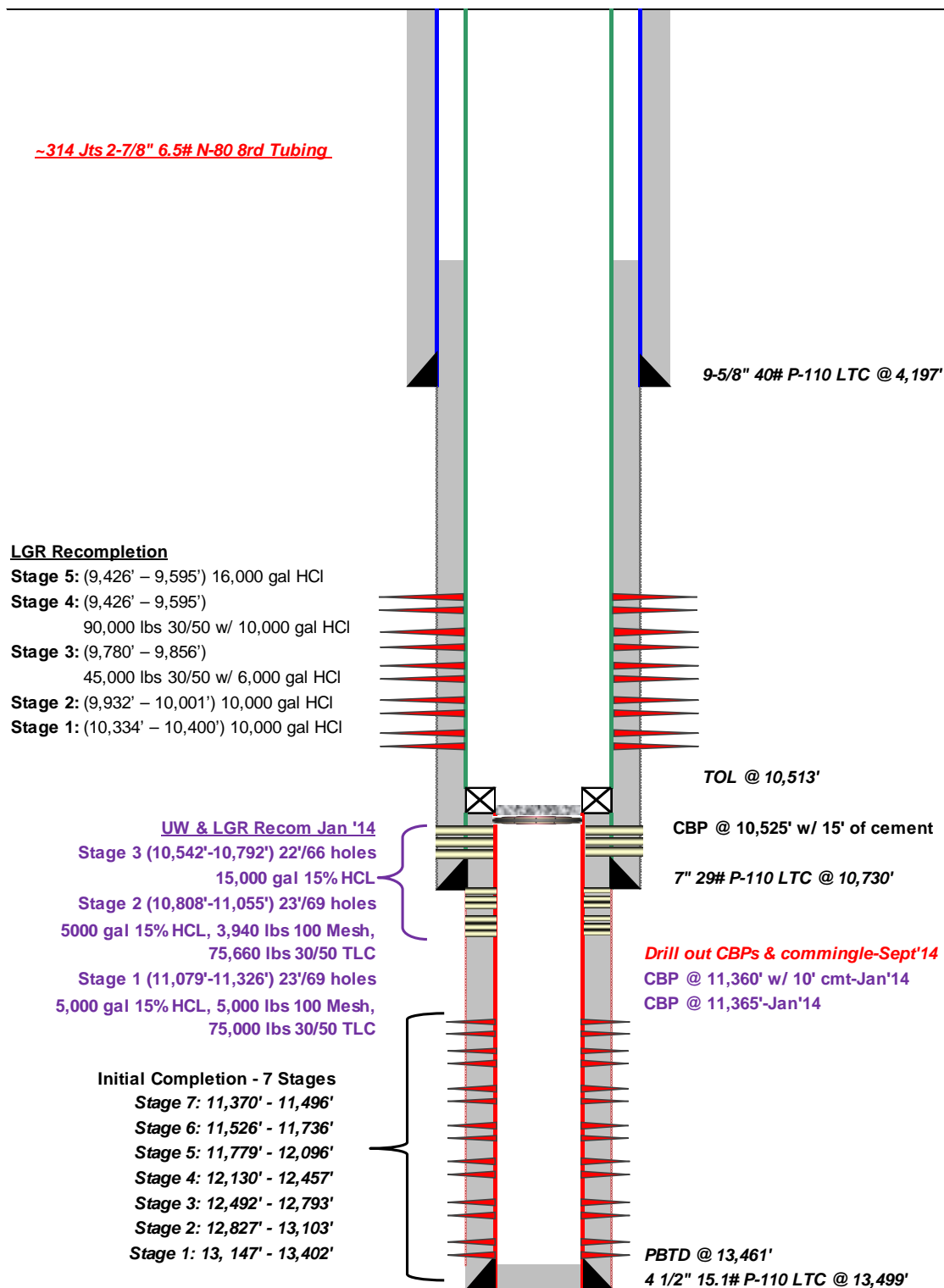
PBTD @ 13,461'

4 1/2" 15.1# P-110 LTC @ 13,499'



**Proposed Schematic**

Company Name: <b>EP Energy</b>	Date: February 24, 2016
Well Name: <b>LAKE FORK RANCH 3-14B4</b>	TD: 13,499
Field, County, State: <b>Altamont - Bluebell, Duchesne, Utah</b>	Updated By: <b>Kerr</b>
Surface Location: <b>Sec 14 T2S R4W 1321' FSL 1246' FEL</b>	BHL: <b>Straight Hole</b>
Producing Zone(s): <b>Wasatch</b>	Elevation: <b>6231' KB</b>
Rig: _____	Spud: January 5, 2010



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
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<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> EP ENERGY E&P COMPANY, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 1001 Louisiana, Houston, TX, 77002		<b>8. WELL NAME and NUMBER:</b> LAKE FORK RANCH 3-14B4
<b>PHONE NUMBER:</b> 713 997-5038 Ext		<b>9. API NUMBER:</b> 43013500970000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1321 FSL 1246 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESE Section: 14 Township: 02.0S Range: 04.0W Meridian: U		<b>9. FIELD and POOL or WILDCAT:</b> ALTAMONT
		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

11.

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TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>2/29/2016</b>	<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Change of plans to sundry notice number 70004. Setting two 10k plugs with cement and sand in the 7" casing instead of one 15k plug in the 4 1/2" liner. See attached. Thanks,

**Approved by the**  
**March 07, 2016**  
**Oil, Gas and Mining**

Date: \_\_\_\_\_

By: Derek Duff

<b>NAME (PLEASE PRINT)</b> Maria S. Gomez	<b>PHONE NUMBER</b> 713 997-5038	<b>TITLE</b> Principal Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 2/26/2016	

## Lake Fork Ranch 3-14 B4 Recom Summary Procedure

- POOH with rods, pump & tubing. Inspect/Repair/Re-furbish as needed. Replace any bad tubing and joints of rods.
- Set 10K CBP for 7" 29# P-110 casing @ 10,490'. Dump bail 20' of cement on top of plug.
- Set second 10K CBP (with 2300 psi of additional pressure trapped between plugs) for 7" 29# P-110 casing @ 10,465'. Dump bail 40' of sand on top of plug.
- Stage 1:
  - Perforate new LGR interval from 10,334' – 10,400'.
  - Acid Frac Perforations with 10,000 gals 15% HCl acid) (Stage 1 Recom).
- Stage 2:
  - RIH with 7" CBP & set @ 10,016'.
  - Perforate new LGR interval from 9,932' – 10,001'.
  - Acid Frac Perforations with 10,000 gals 15% HCl acid) (Stage 2 Recom).
- Stage 3:
  - RIH with 7" CBP & set @ 9,875'.
  - Perforate new LGR interval from 9,780' – 9,856'.
  - Prop Frac Perforations with 45,000 lbs 30/50 prop (w/ 5,000 lbs 100 mesh & 6,000 gals 15% HCl acid) (Stage 3 Recom).
- Stage 4:
  - RIH w/ 7" CBP & set @ 9,610'.
  - Perforate new LGR interval from 9,426' – 9,595'.
  - Prop Frac Perforations with 90,000 lbs 30/50 prop (w/ 5,000 lbs 100 mesh & 10,000 gals 15% HCl acid) (Stage 4 Recom).
- Stage 5:15K
  - RIH w/ 7" CBP & set @ 9,343'.
  - Perforate new LGR interval from 9,426' – 9,595'.
  - Acid Frac perforations with w/ 16,000 gals 15% HCl acid (Stage 5 Recom).
- Clean out well drilling up (4) 7" CBPs leaving (1) 4-1/2" 15K CBP @ 10,525' with 15' of cement on top of plug. (PBSD @ 10,510') Top perf BELOW plug @ 10,542'.
- RIH w/ production tubing and rods.
- Clean location and resume production.

Sundry Number: 70111 API Well Number: 43013500970000





## Current Schematic

Company Name: <b>EP Energy</b>	Date: February 24, 2016
Well Name: <b>LAKE FORK RANCH 3-14B4</b>	TD: 13,499
Field, County, State: <b>Altamont - Bluebell, Duchesne, Utah</b>	Updated By: <b>Kerr</b>
Surface Location: <b>Sec 14 T2S R4W 1321' FSL 1246' FEL</b>	BHL: <b>Straight Hole</b>
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Rig: _____	Spud: <b>January 5, 2010</b>

~314 Jts 2-7/8" 6.5# N-80 8rd Tubing

### ROD DETAIL

1-1/2" x 40' Polished Rod  
 14' x 1" EL Pony Rod  
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 134 (3,275') - 7/8" EL Rods W/G  
 170 (4,250') - 3/4" EL Rods W/G  
 16 (400') - 1 1/2" Sinker "K" Bars  
 3' x 1" Stabilizer Sub W/ 3/4" Pins  
 2-1/2" x 1-1/2" x 38' Insert Pump

9-5/8" 40# P-110 LTC @ 4,197'

Tubing Anchor Top @ ~10,158'  
 4 jts 2-7/8" 6.5# N-80 8rd Tubing  
 4.25' Pup Joint  
 Seating Nipple @ ~10,293'  
 2' x 2 7/8" Tubing Sub  
 5 1/2" x 32' PBGA  
 2 jt 2-7/8" Mud Anchor  
 5 3/4" No-Go Nipple  
 EOT @ ~10,395'

TOL @ 10,513'

7" 29# P-110 LTC @ 10,730'

Drill out CBPs & commingle-Sept'14  
 CBP @ 11,360' w/ 10' cmt-Jan'14  
 CBP @ 11,365'-Jan'14

UW & LGR Recom Jan '14  
 Stage 3 (10,542'-10,792') 22'/66 holes  
 15,000 gal 15% HCL  
 Stage 2 (10,808'-11,055') 23'/69 holes  
 5000 gal 15% HCL, 3,940 lbs 100 Mesh, 75,660  
 lbs 30/50 TLC  
 Stage 1 (11,079'-11,326') 23'/69 holes  
 5,000 gal 15% HCL, 5,000 lbs 100 Mesh, 75,000  
 lbs 30/50 TLC

### Initial Completion - 7 Stages

Stage 7: 11,370' - 11,496'  
 Stage 6: 11,526' - 11,736'  
 Stage 5: 11,779' - 12,096'  
 Stage 4: 12,130' - 12,457'  
 Stage 3: 12,492' - 12,793'  
 Stage 2: 12,827' - 13,103'  
 Stage 1: 13,147' - 13,402'

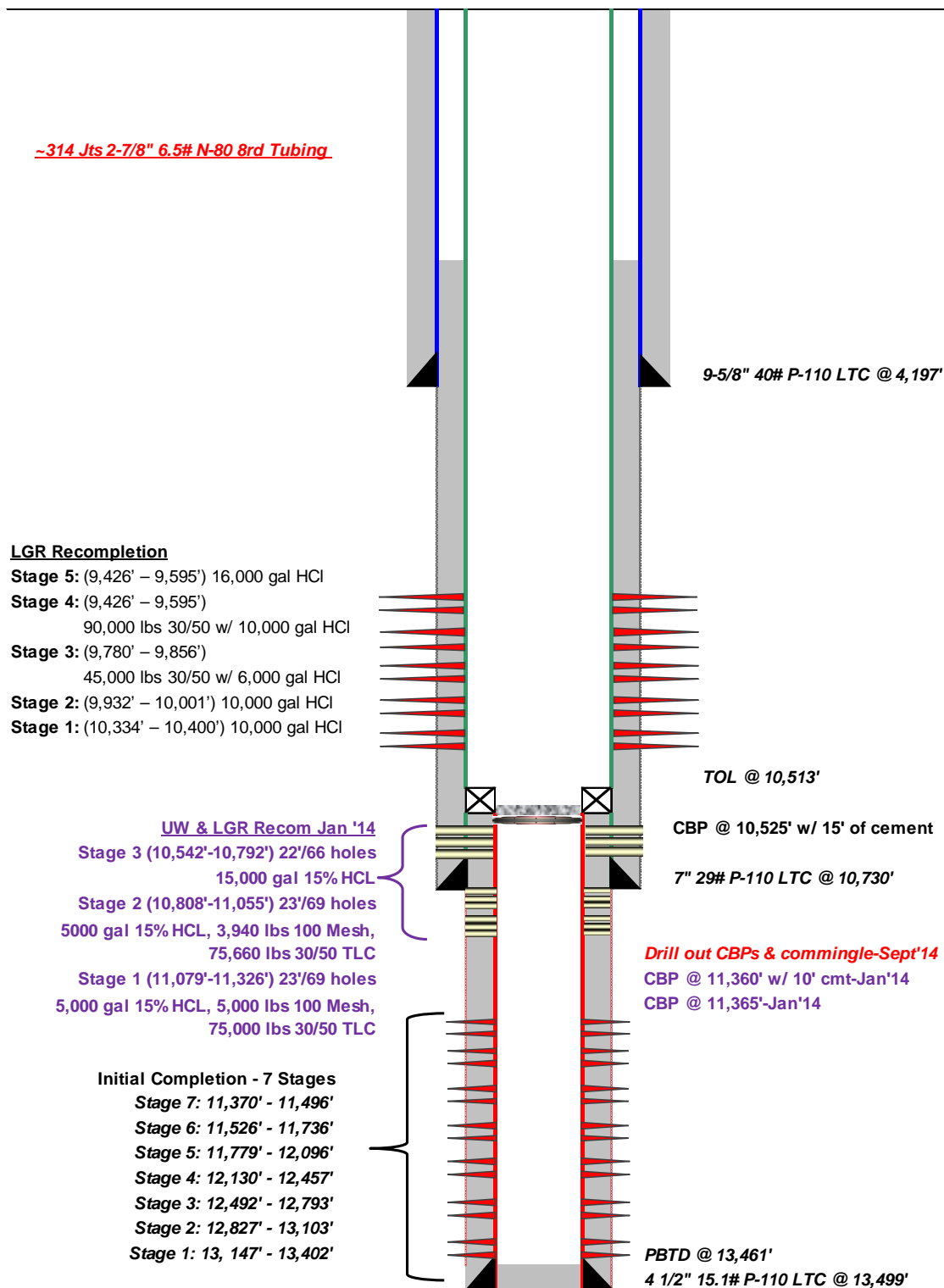
PBTD @ 13,461'

4 1/2" 15.1# P-110 LTC @ 13,499'



## Proposed Schematic

Company Name: <b>EP Energy</b>	Date: February 24, 2016
Well Name: <b>LAKE FORK RANCH 3-14B4</b>	TD: 13,499
Field, County, State: <b>Altamont - Bluebell, Duchesne, Utah</b>	Updated By: <b>Kerr</b>
Surface Location: <b>Sec 14 T2S R4W 1321' FSL 1246' FEL</b>	BHL: <b>Straight Hole</b>
Producing Zone(s): <b>Wasatch</b>	Elevation: <b>6231' KB</b>
Rig: _____	Spud: <b>January 5, 2010</b>



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: LAKE FORK RANCH 3-14B4	
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.	9. API NUMBER: 43013500970000	
3. ADDRESS OF OPERATOR: 1001 Louisiana, Houston, TX, 77002	PHONE NUMBER: 713 997-5138 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1321 FSL 1246 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 14 Township: 02.0S Range: 04.0W Meridian: U	COUNTY: DUCHESNE	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <b>6/30/2016</b>  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input checked="" type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION	OTHER: <input type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Rig moving onto location tomorrow, however, the acid job to start next Tuesday, July 5, 2016. Please see attached procedure along with proposed wellbore diagram.

Approved by the  
June 29, 2016  
Oil, Gas and Mining

Date: \_\_\_\_\_

By: 

NAME (PLEASE PRINT) Linda Renken	PHONE NUMBER 713 997-5138	TITLE Sr. Regulatory Analyst
SIGNATURE N/A		DATE 6/29/2016



Acid Re-stim

LFR 3-14B4

API #: 43-013-0097

Sec. 14, T2S – R4W

Latitude = 40° 18' 14.049" N Longitude = 110° 17' 54.671" W

Altamont Field

Duchesne County, Utah

AFE # 166871

Version #1

**Objective:** Pull pump & rods and tubing & production BHA. Perform acid re-stim with plug and packer over existing recom perforations. Run tubing & rod/pump.

Prepared by: \_\_\_\_\_  
Michael Walt

**Lake Fork Ranch 3-14B4  
Re-stim Prognosis**

String	Description	Burst (psi) 100%	Collapse (psi) 100%	Body Yield (Mlbs)	Jt Yield (Mlbs)	ID (in.)	Drift (in.)	TOC
Surface Casing	9-5/8" 40# N-80 LTC @ 4,197'	5750	3090	916	737	8.835	8.679	Surf
Intermediate Casing	7" 29# P-110 LTC @ 10,730' KB	11220	8510	929	797	6.184	6.059	
Production Liner	4-1/2" 15.1# P-110 LTC 10,513' – 13,499' KB	14420	14350	485	406	3.826	3.701	
Tubing	2-7/8" 6.5 ppf N-80 Surface – 10,417' KB	10570	11160		145	2.441	2.347	

**Procedure**

1. RU workover rig.
2. POOH with pump and rods.
3. POOH with tubing.
4. RIH with work string and plug and packer assembly
5. Acidize perforations from 10,344' to 10,401' with 5,000 gallons of 2% HCl
6. Acidize perforations from 9,778' to 10,001' with 15,000 gallons of 2% HCl
7. Acidize perforations from 9,168' to 9,598' with 30,000 gallons of 2% HCl
8. POOH with work string and plug and packer
9. RIH with production tubing
10. RIH with pump and rods
11. Put well back on production

# CURRENT & PROPOSED WBD

## EP ENERGY

### Schematic

Company Name: <b>EP Energy</b>	Date: <b>May 19, 2016</b>
Well Name: <b>LAKE FORK RANCH 3-14B4</b>	TD: <b>13,499</b>
Field, County, State: <b>Altamont - Bluebell, Duchesne, Utah</b>	Updated By: <b>Walt</b>
Surface Location: <b>Sec 14 T2S R4W 1321' FSL 1246' FEL</b>	BHL: <b>Straight Hole</b>
Producing Zone(s): <b>Wasatch</b>	Elevation: <b>6231' KB</b>
Rig:	Spud: <b>January 5, 2010</b>

315 Jts 2-7/8" 6.5# N-80 8rd Tubing

#### ROD DETAIL

1-1/2" x 40' Polished Rod  
 6', 6', 4', 2' x 1" EL Pony Rods  
 127 (3,175') - 1" EL Rods (W/G)  
 141 (3,525') - 7/8" EL Rods W/G  
 125 (3,125') - 3/4" EL Rods W/G  
 17 (425') - 1 1/2" Sinker "K" Bars  
 3' x 1" Stabilizer Sub W/ 3/4" Pins  
 2-1/2" x 1-3/4" x 38' Insert Pump

9-5/8" 40# P-110 LTC @ 4,197'

#### Tubing Detail

Tubing Anchor Top @ ~10,178'  
 4 jts 2-7/8" 6.5# N-80 8rd Tubing  
 4' Pup Joint  
 Seating Nipple @ ~10,316'  
 2' x 2 7/8" Tubing Sub  
 5 1/2" x 32' PBGA  
 2 jt 2-7/8" Mud Anchor  
 5 3/4" No-Go Nipple  
 EOT @ ~10,417'

#### LGR Recompletion

Stage 5: (9,168' - 9,330') 16,000 gal HCl  
 Stage 4: (9,427' - 9,598')  
     95,890 lbs 30/50 w/ 5,000 gal HCl  
 Stage 3: (9,778' - 9,857')  
     50,110 lbs 30/50 w/ 5,000 gal HCl  
 Stage 2: (9,930' - 10,001') 10,000 gal HCl  
 Stage 1: (10,334' - 10,401') 10,000 gal HCl

#### UW & LGR Recom Jan '14

Stage 3 (10,542'-10,792') 22'/66 holes  
     15,000 gal 15% HCL  
 Stage 2 (10,808'-11,055') 23'/69 holes  
     5000 gal 15% HCL, 3,940 lbs 100 Mesh,  
     75,660 lbs 30/50 TLC  
 Stage 1 (11,079'-11,326') 23'/69 holes  
     5,000 gal 15% HCL, 5,000 lbs 100 Mesh,  
     75,000 lbs 30/50 TLC

#### Initial Completion - 7 Stages

Stage 7: 11,370' - 11,496'  
 Stage 6: 11,526' - 11,736'  
 Stage 5: 11,779' - 12,096'  
 Stage 4: 12,130' - 12,457'  
 Stage 3: 12,492' - 12,793'  
 Stage 2: 12,827' - 13,103'  
 Stage 1: 13,147' - 13,402'

7" CBP @ 10,490' w/ 20' of cement  
 TOL @ 10,513'

7" 29# P-110 LTC @ 10,730'

#### Drill out CBPs & commingle-Sept'14

CBP @ 11,360' w/ 10' cmt-Jan'14  
 CBP @ 11,365'-Jan'14

PBTD @ 13,461'

4 1/2" 15.1# P-110 LTC @ 13,499'



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

RECOMPLETION

AMENDED REPORT ☐  
(highlight changes)

FORM 8

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:

9. API NUMBER:

10 FIELD AND POOL, OR WILDCAT

11. QTR/QTR, SECTION, TOWNSHIP, RANGE,  
MERIDIAN:

U.S.B. &amp; M.

12. COUNTY

13. STATE

UTAH

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER \_\_\_\_\_b. TYPE OF WORK: NEW WELL ☐ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER \_\_\_\_\_

2. NAME OF OPERATOR:

3. ADDRESS OF OPERATOR:

CITY

STATE

ZIP

PHONE NUMBER:

4. LOCATION OF WELL (FOOTAGES)

AT SURFACE:

AT TOP PRODUCING INTERVAL REPORTED BELOW:

AT TOTAL DEPTH:

14. DATE SPUDDED:

15. DATE T.D. REACHED:

16. DATE COMPLETED:

ABANDONED ☐READY TO PRODUCE ☐

17. ELEVATIONS (DF, RKB, RT, GL):

18. TOTAL DEPTH: MD  
TVD19. PLUG BACK T.D.: MD  
TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? \*

21. DEPTH BRIDGE MD  
PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

23.

WAS WELL CORED? NO ☐ YES ☐ (Submit analysis)WAS DST RUN? NO ☐ YES ☐ (Submit report)DIRECTIONAL SURVEY? NO ☐ YES ☐ (Submit copy)

## 24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED

## 25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

## 26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A)				
(B)				
(C)				
(D)				

## 27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

## 28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL

## 29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY  
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER: \_\_\_\_\_

## 30. WELL STATUS:

**31. INITIAL PRODUCTION****INTERVAL A (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

**INTERVAL B (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

**INTERVAL C (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

**INTERVAL D (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

**32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)****33. SUMMARY OF POROUS ZONES (Include Aquifers):**

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

**34. FORMATION (Log) MARKERS:**

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)

**35. ADDITIONAL REMARKS (Include plugging procedure)**

**36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.**

NAME (PLEASE PRINT) \_\_\_\_\_ TITLE \_\_\_\_\_

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

**Attachment to Well Completion Report**

**Form 8 Dated:** \_

**Well Name:** \_

**Items #27 and #28 Continued**

**27. Perforation Record**

Interval (Top/Bottom-MD)	Hole Size	No. of Holes	Perf. Status

**28. Acid, Fracture, Treatment, Cement Squeeze, Etc.**

Depth Interval	Amount and Type of Material

## CENTRAL DIVISION

ALTAMONT FIELD  
LAKE FORK RANCH 3-14B4  
LAKE FORK RANCH 3-14B4  
RECOMPLETE LAND

### Operation Summary Report

Disclaimer: Although the information contained in this report is based on sound engineering practices, the copyright owner(s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.

## 1 General

### 1.1 Customer Information

Company	CENTRAL DIVISION
Representative	
Address	

### 1.2 Well Information

Well	LAKE FORK RANCH 3-14B4		
Project	ALTAMONT FIELD	Site	LAKE FORK RANCH 3-14B4
Rig Name/No.		Event	RECOMPLETE LAND
Start date	3/2/2016	End date	3/16/2016
Spud Date/Time	2/15/2010	UWI	014-002-S 004-W 30
Active datum	KB @6,231.0ft (above Mean Sea Level)		
Afe No./Description	166389/56431 / LAKE FORK RANCH 3-14B4		

## 2 Summary

### 2.1 Operation Summary

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (ft)	Operation
3/3/2016	6:00 8:10	2.17	MIRU	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; MOVING RIG...MOVE RIG TO LOCATION SLIDE ROTO FLEX
	8:10 9:30	1.33	MIRU	01		P		MIRU PUMP 60 BBLS OF HOT 2% KCL DOWN CSG POLISH ROD PARTED
	9:30 11:20	1.83	WOR	52		P		P/U FISHING TOOLS FISH POLISH ROD L/D FISHING TOOLS UNSEAT PUMP FLUSH TBG w 60 BBLS
	11:20 14:34	3.23	WOR	39		P		TOH w 89-1" RODS 134-7/8" RODS 125-3/4" RODS L/D 45-3/4" RODS L/D 16-1-1/2" WT BARS L/D PUMP
	14:34 15:45	1.18	WOR	16		P		N/D WELL HEAD N/U AND TEST BOPE RELEASE TAC
	15:45 18:00	2.25	WOR	39		P		MIRU SCANNING EQUIPMENT SOH SCANNING TBG w 94 JTS SECURE WELL CLOSE BOPE AND LOCK CLOSE CSG VALVES w NIGHT CAPS INSTALL TIW VALVE w NIGHT CAP SDFN
3/4/2016	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; SCANNING TBG
	7:00 9:53	2.88	WOR	39		P		CSIP 0 PSI TSIP 0 PSI CONTINUE SCANNING 2-7/8" TBG L/D BHA ( NO SIGN OF SCALE) TTL 2-JTS RED 22-JTS BLUE 295-JTS OF YELLOW RDMO SCANNING EQUIPMENT
	9:53 18:30	8.62	WLWORK	27		P		MIRU WIRELINE TIH w 5.9" GAUGE RING TOH L/D GAUGE RING TIH SET 7" CBP AT 10490' TOH L/D SETTING TOOL START FILLING CSG DUMP BAIL 20' OF CMT (2 RUNS) FINISH FILLING CSG SECURE WELL CLOSE BOPE AND LOCK CLOSE CSG VALVES w NIGHT CAPS INSTALL SDFN
3/5/2016	6:00 7:30	1.50	WLWORK	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; HELD SAFETY STAND DOWN WITH CREW TALKED ABOUT ACCIDENT TALKED ABOUT WHAT HAPPENED AND HOW IT COULD OF BEEN AVOIDED TALK ABOUT THING THAT NEED TO HAPPEN TO PREVENT ACCIDENTS MOVING FORWARD AND TALKED ABOUT GETTING OUR HEADS BACK IN THE GAME WENT OVER WIRELINE OPERATIONS
	7:30 13:00	5.50	WLWORK	27		P		P/U 7" WLTC WIRELINE RETIEVABLE TIH PRESSURE UP CSG TO 2300 PSI SET AT 10465' BLEED OFF PRESSURE TOH L/D SETTING TOOL DUMP BAIL 40' OF SAND (4 RUNS) CONTINUE HAULING IN WATER SET MANIFOLD
	13:00 17:30	4.50	WOR	16		P		N/D BOPE N/U 7" MASTER VALVE TEST 7" CSG TO 8000 PSI GOOD TEST N/U AND TEST 7" FRAC STACK R/U FLOW BACK

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (ft)	Operation
	17:30 19:30	2.00	WLWORK	21		P		R/U WIRELINE TEST LUBRICATOR P/U 3-1/8" GUN w 22.7 GM CHARGE 3 JSPF 120 PHASING PERFORATE STG 1...10401'-10334' TOH L/D GUN ALL PERFORATIONS ARE CORRELATED TO THE LONE WOLF WIRELINE CBL RUN #1 4/15/10 SECURE WELL CLOSE TOP AND BTM HCR VALVES CLOSE 7" MASTER VALVE SDFN
3/6/2016	6:00 18:00	12.00	SITEPRE	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; HOT OIL OPERATIONS...MIRU HEAT FRAC TANKS
3/7/2016	6:00 14:00	8.00	SITEPRE	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; FRAC OPERATIONS...MIRU FRAC EQUIPMENT
3/8/2016	6:00 8:40	2.67	STG01	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; FRAC OPERATIONS
	8:40 9:50	1.17	STG01	35		P		STAGE 1; PRESSURE TEST LINES TO 9500 PSI. OPEN WELL. SICP 166 PSI. BREAK DOWN STAGE 1 PERFORATIONS 10401'-10334' AT 4291 PSI 8.4 BPM ESTABLISH RATE STEP DOWN RATE IN 4 STEPS ISDP 3540 FG.77 5 MIN 3296 PSI 10 MIN 3246 PSI 15 MIN 3219 PSI PUMP 10000 GAL 15% HCL ACID DROP BALL EVERY 2000 GALS OF ACID FLUSH FR WATER ISDP 3400 PSI. FG .76 5 MIN 2434 PSI 10 MIN 1764 PSI 15 MIN 1496 PSI AVG RATE 49 BPM. AVG PSI 4791 PSI. MAX PSI 5701 PSI. TURN OVER TO WIRELINE
	9:50 12:51	3.02	STG02	21		P		STAGE 2; SET COMPOSITE FRAC PLUG AT 10016' PRESSURE ON WELL 1400 PSI PERFORATE STAGE 2 PERFORATIONS 10001' TO 9930', 12 NET FEET 36 TTL SHOTS W/ 3-1/8" 22.7GM 3 JSPF, 120 DEG PHASING GUNS END PRESSURE 0 PSI ALL PERFORATIONS ARE CORRELATED TO THE LONE WOLF WIRELINE CBL RUN #1 4/15/10
	12:51 13:56	1.08	STG02	35		P		STAGE 2; PRESSURE TEST LINES TO 9500 PSI. OPEN WELL. SICP 0 PSI. BREAK DOWN STAGE 2 PERFORATIONS 10001'-9930' AT 4291 PSI 8.4 BPM ESTABLISH RATE STEP DOWN RATE IN 4 STEPS ISDP 3540 FG.79 5 MIN 3129 PSI 10 MIN 3052 PSI PUMP 10000 GAL 15% HCL ACID DROP BALL EVERY 2000 GALS OF ACID FLUSH FR WATER ISDP 3030 PSI. FG .74 5 MIN 1498 PSI 10 MIN 800 PSI 15 MIN 301 PSI AVG RATE 31 BPM. AVG PSI 4137 PSI. MAX PSI 7497 PSI. TURN OVER TO WIRELINE
	13:56 15:25	1.48	STG03	21		P		STAGE 3; SET COMPOSITE FRAC PLUG AT 9875' PRESSURE ON WELL 0 PSI PERFORATE STAGE 3 PERFORATIONS 9857' TO 9778', 14 NET FEET 42 TTL SHOTS W/ 3-1/8" 22.7GM 3 JSPF, 120 DEG PHASING GUNS END PRESSURE 0 PSI ALL PERFORATIONS ARE CORRELATED TO THE LONE WOLF WIRELINE CBL RUN #1 4/15/10
	15:25 17:10	1.75	STG03	35		P		STAGE 3; PRESSURE TEST LINES TO 9500 PSI. OPEN WELL. SICP 0 PSI. BREAK DOWN STAGE 3 PERFORATIONS 9857'-9778' AT 3041PSI 6.3 BPM PUMP 5000 GAL 15% HCL ACID FLUSH FR WATER STEP DOWN RATE IN 4 STEPS ISDP 3310 PSI. F.G. .77...5 MINUTE 3052 PSI. 10 MINUTE 2940 PSI. 15 MINUTE 2829 PSI. TREAT STAGE 3... AS PER PROCEDURE PAD FR WATER PAD 25# CROSSLINK 0.5# 100M SWEEP.5# 30/50 1# 30/50 1.75# 30/50 2.5# 30/50 STG FLUSH TO TOP PERF...ISDP 3400 PSI. FG.78 5 MIN 3228 PSI 10 MIN 3173 PSI 15 MIN 3139 PSI AVG RATE 74 BPM. AVG PSI 4571 PSI. MAX PSI 4980 PSI. TTL WHITE 30/50 50110# TURN OVER TO WIRELINE



## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (ft)	Operation
	17:10 19:30	2.33	STG04	21		P		STAGE 4; SET COMPOSITE FRAC PLUG AT 9610' PRESSURE ON WELL 3000 PSI PERFORATE STAGE 4 PERFORATIONS 9598' TO 9427', 22 NET FEET 66 TTL SHOTS W/ 3-1/8" 22.7GM 3 JSPF, 120 DEG PHASING GUNS END PRESSURE 2600 PSI ALL PERFORATIONS ARE CORRELATED TO THE LONE WOLF WIRELINE CBL RUN #1 4/15/10 SECURE WELL SECURE WELL CLOSE TOP AND BTM HCR VALVES CLOSE 7" MASTER VALVE SDFN SDFN
3/9/2016	6:00 8:10	2.17	STG04	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; FRAC OPERATIONS
	8:10 9:54	1.73	STG04	35		P		STAGE 4; PRESSURE TEST LINES TO 9500 PSI. OPEN WELL. SICP 2086 PSI. BREAK DOWN STAGE 4 PERFORATIONS 9508'-9427' AT 4050 PSI 6.3 BPM PUMP 5000 GAL 15% HCL ACID FLUSH FR WATER STEP DOWN RATE IN 4 STEPS ISDP 2375 PSI. F.G. .68...5 MINUTE 1880 PSI. 10 MINUTE 1559 PSI. 15 MINUTE 1251 PSI. TREAT STAGE 4... AS PER PROCEDURE PAD FR WATER PAD 25# CROSSLINK 0.5# 100M SWEEP.5# 30/50 1# 30/50 1.5# 30/50 2# 30/50 3# 30/50 STG FLUSH TO TOP PERF...ISDP 3490 PSI. FG.80 5 MIN 3354 PSI 10 MIN 3248 PSI 15 MIN 3179 PSI AVG RATE 75 BPM. AVG PSI 3729 PSI. MAX PSI 4238 PSI. TTL WHITE 30/50 95890# TURN OVER TO WIRELINE
	9:54 13:10	3.27	STG05	21		P		STAGE 5; SET COMPOSITE FRAC PLUG AT 9353' PRESSURE ON WELL 2600 PSI PERFORATE STAGE 5 PERFORATIONS 9330' TO 9168', 17 NET FEET 51 TTL SHOTS W/ 3-1/8" 22.7GM 3 JSPF, 120 DEG PHASING GUNS END PRESSURE 800 PSI ALL PERFORATIONS ARE CORRELATED TO THE LONE WOLF WIRELINE CBL RUN #1 4/15/10
	13:10 14:35	1.42	STG05	35		P		STAGE 5; PRESSURE TEST LINES TO 9500 PSI. OPEN WELL. SICP 1107 PSI. BREAK DOWN STAGE 5 PERFORATIONS 9330'-9168' AT 3308 PSI 8.8 BPM ESTABLISH RATE STEP DOWN RATE IN 4 STEPS ISDP 1920 FG.64 5 MIN 1190 PSI 10 MIN 1054 PSI 15 MIN 987 PSI PUMP 16000 GAL 15% HCL ACID DROP BALL EVERY 4000 GALS OF ACID FLUSH FR WATER ISDP 1500 PSI. FG. .60 5 MIN 1300 PSI 10 MIN 1168 PSI 15 MIN 1065 PSI AVG RATE 33 BPM. AVG PSI 3995 PSI. MAX PSI 7642 PSI. SECURE WELL FOR 3 HRS CLOSE TOP AND BTM HCR VALVES AND LOCK CLOSE 7" MASTER
	14:35 17:30	2.92	RDMO	02		P		RDMO FRAC EQUIPMENT RDMO WIRELINE
	17:30 6:00	12.50	FB	17		P		OPEN WELL ON 12/64 CHOCK 500 PSI TURN WELL OVER TO FLOW BACK....FLOW BACK 443 BBLS OF WATER 50 PSI 24/64 CHOCK
3/10/2016	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	7:00 10:10	3.17	WOR	16		P		N/D FRAC STACK TO BTM HCR INSTALL NIGHT CAP
	10:10 17:30	7.33	WOR	15		P		ATTEMPT TO KILL WELL w 100 BBLS OF 9.9# BRINE WATER BLOCK AND BLEED 125 PSI PUMP ADDITIONAL 80 BBLS OF 9.9# CONTINUE BLOCK AND BLEED WELL STILL FLOWING 1/2 BPM PUMP 100 BBLS OF 9.8 # BRINE WATER SECURE WELL CLOSE 7" MASTER VALVE CLOSED AND LOCK 7" HCR CSG VALVES CLOSED w NIGHT CAP SDFN
3/11/2016	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	7:00 11:30	4.50	WOR	16		P		CSIP 200 PSI BLEED OFF WELL N/D BTM HCR VALVE N/U AND TEST BOPE R/U FLOOR AND HANDLING TOOLS
	11:30 15:00	3.50	WOR	39		P		P/U 6" ROCK BIT AND BIT SUB TALLY IN HOLE w 6 JTS OF 2-7/8" TBG WELL STARTED FLOWING SECURE WELL FLOW BACK WELL UP CSG TO FLOW BACK TANK CIRC 11BBLS OF 10# BEINE WATER DOWN TBG UP CSG ATTEMPT TO CONTINUE TIH FAILED WELL STARTED FLOWING BULLHEAD 120 BBLS OF 10# BRINE WATER

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (ft)	Operation
	15:00 17:30	2.50	WOR	39		P		CONTINUE TIH w 284 JTS OF 2-7/8" TBG TAG AT 9353' TMD SECURE WELL CLOSE BOPE AND LOCK CLOSE CSG VALVES w NIGHT CAPS INSTALL TIW VALVE w NIGHT CAP SDFN
3/12/2016	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; CLEAN OUT OPERATIONS
	7:00 19:30	12.50	WOR	10		P		CSIP 200 PSI TSIP 200 PSI KILL TBG w 20 BBLS OF BRINE WATER R/U POWER SWIVEL ESTABLISH CIRC DRILL 7" CBP PLUG AT 9153' C/O TO AND DRILL 7" CBP AT 9610' C/O AND START DRILLING 7" CBP AT 9875' CIRC CLEAN KILLTBG w 20 BBLS OF BRINE WATER R/D POWER SWIVEL TOH w 26 JTS OF 2-7/8" TBG ABOVE PERFS EOT 9099' SECURE WELL CLOSE BOPE AND LOCK CLOSE CSG VALVES w NIGHT CAPS INSTALL TIW VALVE w NIGHT CAP SDFN
3/13/2016	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; CLEAN OUT OPERATIONS
	7:00 8:16	1.27	WOR	15		P		CSIP 450 PSI TSIP 450 PSI KILL TBG w 20 BBLS OF 9.9# BRINE WATER
	8:16 16:30	8.23	WOR	10		P		TIH w 26 JTS OF 2-7/8" TBG R/U POWER SWIVEL ESTABLISH CIRC CONTINUE DRILLING 3RD PLUG AT 9875' CIRC CLEAN SWIVEL IN PLUG AT 10016' WENT DOWN HOLE TAG AT 10403' DRILL 7" CBP C/O SAND TO TOP OF WLTC PLUG AT 10465' CIRC CLEAN
	16:30 18:00	1.50	WOR	39		P		KILL TBG w 20 BBLS OF BRINE WATER R/D POWER SWIVEL TOH w 50 JTS OF 2-7/8" TBG EOT 9023' SECURE WELL CLOSE BOPE AND LOCK CLOSE CSG VALVES w NIGHT CAPS INSTALL TIW VALVE w NIGHT CAP SDFN
3/15/2016	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	7:00 13:37	6.62	WOR	15		P		CSIP 550 TSIP 500 PSI KILL TBG w 20 BBLS OF 9.9# BRINE WATER TOH TO 4503' KILL WELL w 200 BBLS OF BRINE WATER TOH L/D 6" BIT
	13:37 15:30	1.88	WOR	39		P		P/U RETRIEVING TOOL TIH w 326-JTS OF 2-7/8" TBG
	15:30 17:01	1.52	WOR	39		P		ATTEMPT TO RETRIEVE PLUG FAILED UNABLE TO LATCH PLUG R/U POWER SWIVEL ESTABLISH CIRC C/O TO PLUG RELEASE PLUG KILL TBG w 20 BBLS OF BRINE WATER R/D POWER SWIVEL
	17:01 18:00	0.98	WOR	39		P		SOH w 80-JTS OF 2-7/8" TBG EOT 7900' SECURE WELL CLOSE BOPE AND LOCK CLOSE CSG VALVES w NIGHT CAPS INSTALL TIW VALVE w NIGHT CAP SDFN
3/16/2016	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	7:00 11:30	4.50	WOR	39		P		CSIP 200 PSI TSIP 200 PSI KILL TBG w 20 BBLS OF BRINE WATER TOH TO 4500' CIRC 150 BBLS OF BRINE WATER TOH L/D 7" RBP
	11:30 15:10	3.67	WOR	39		P		P/U 5 3/4" NO-GO 2-JTS OF 2-7/8" TBG 5 1/2" PBGA 2' X 2-7/8" TBG SUB 2-7/8" PSN 4' X 2-7/8" TBG SUB 4-JTS OF 2-7/8" TBG 7" TAC TIH w 315-JTS OF 2-7/8" TBG
	15:10 18:00	2.83	WOR	16		P		SET 7" TAC 10178' w 25K TENTION R/D FLOOR N/D BOPE N/D 7" MASTER VALVE N/U WELL HEAD CLEAN WORK AREA CHANGE HANDLING TOOLS SECURE WELL CLOSE CSG VALVES w NIGHT CAP TIW w NIGHT CAP
3/17/2016	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	7:00 8:30	1.50	WOR	39		P		CSIP 400 PSI TSIP 200 PSI FLUSH TBG w 60 BBLS OF 2% KCL w RODS CHEMICAL KILL TBG w 40 BBLS OF BRINE WATER PREP RODS

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activit y Code	Sub	OP Code	MD from (ft)	Operation
	8:30 12:30	4.00	WOR	39		P		P/U AND PRIME 2 1/2" X 1 3/4" X 38' RHBC ACCELERATED PUMP TIH # 16-1-1/2" C BARS P/U 1-1-1/2" NEW C BAR 125-3/4" RODS 132-7/8" RODS P/U 9-3/4" NEW w/g 89-1" RODS P/U 38-1" NEW w/g RODS SPACE OUT w 6',6',4',2' X 1" PONY RODS FILL TBG w 10 BBLS OF 2% KCL WATER TEST AND STROKE TEST TO 1000 PSI GOOD TEST
	12:30 15:00	2.50	RDMO	02		P		RDMO SLIDE ROTO FLEX CHECK ALL VALVE AND BULL PLUGS CHECK FOR TAG NO TAG TUEN WELL OVER TO PRODUCTION

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: LAKE FORK RANCH 3-14B4	
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.	9. API NUMBER: 43013500970000	
3. ADDRESS OF OPERATOR: 1001 Louisiana, Houston, TX, 77002	PHONE NUMBER: 713 997-5138 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1321 FSL 1246 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 14 Township: 02.0S Range: 04.0W Meridian: U	COUNTY: DUCHESNE	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/8/2016	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Acidized well with 50000 gals 15% HCL Acid and cleaned scale with scale inhibitor. Please see attached for details.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 October 06, 2016

NAME (PLEASE PRINT) Maria S. Gomez	PHONE NUMBER 713 997-5138	TITLE Consultant
SIGNATURE N/A		DATE 10/6/2016

## CENTRAL DIVISION

ALTAMONT FIELD  
LAKE FORK RANCH 3-14B4  
LAKE FORK RANCH 3-14B4  
WORKOVER LAND

### Operation Summary Report

Disclaimer: Although the information contained in this report is based on sound engineering practices, the copyright owner(s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.

## 1 General

### 1.1 Customer Information

Company	CENTRAL DIVISION
Representative	
Address	

### 1.2 Well Information

Well	LAKE FORK RANCH 3-14B4		
Project	ALTAMONT FIELD	Site	LAKE FORK RANCH 3-14B4
Rig Name/No.		Event	WORKOVER LAND
Start date	6/30/2016	End date	
Spud Date/Time	2/15/2010	UWI	014-002-S 004-W 30
Active datum	KB @6,231.0usft (above Mean Sea Level)		
Afe No./Description	166871/57017 / LAKE FORK RANCH 3-14B4		

## 2 Summary

### 2.1 Operation Summary

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
6/30/2016	6:00 7:30	1.50	WOR	28		P		ROAD RIG FROM COOK 4-14B3 TO LAKE FORK RANCH 3-14B4 HELD JSA ON MIRU
	6:00 7:30	1.50	MIRU	28		P		ROAD RIG FROM COOK 4-14B3, TO THE LAKE FORK RANCH 3-14B4, ARRIVED HELD SAFETY MEETING REVIEW JSA MIRU
	7:30 12:00	4.50	MIRU	01		P		MIRU HAD 75 BBLS 2% KCL PUMP DOWN CSG,
	7:30 12:00	4.50	MIRU	01		P		MIRU HAD 75 BBLS PUMP DOWN CSG, P/U ROD STRING L/D POLISH ROD, ATTEMP PULL PUMP OFF SEAT, PULLED UP 45#K ATTEMP APPROX 2 HRS R/U EQUIPMENT, BACK RODS OFF 196 ROUNDS +/- TOO HIGH W/ 127 - 1" 4 GPR EL , 142 - 7/8"
								4 GPR EL , 10 - 3/4" 4 GPR EL, PUTS ROD TOP @ APPROX 6,975' R/U THE PERFORATORS, RIH PERF TBG @ 6,940'
	12:00 17:00	5.00	WOR	16		P		BLEED OFF CSG, CHANGED OVER TBG EQUIPMENT, N/D RADIGGIN, FLOW "T" RADIGGIN, P/U ON "B" FLANGE , N/U CHANGE OUT W/ DONUT, N/U 10K X 5K SPOOL, 5 K BOP, HRDRILL, WASHINGTON HEAD, COLSE HYDRILL ON TBG TRY 300 PSI LOW TEST! 3800 PSI HIGH TEST! LEAK, CLOSED PIPE RAMS TEST AGAINST HANGER 300 PSI! LEAKED, 3800 PSI! LEAKED HAVE NEW HANGER IN AM! TRY RETEST
	17:00 17:30	0.50	WOR	16		P		CLOSE AND LOCK PIPE, 1ST BARRIER, INSTALL 2" BULL PLUG IN CSG VAVLE IN ALL POSSIBLE SPOTS 2ND BARRIER, INSTALL TIW VAVLE 1ST BARRIER, 2" BALL VAVLE 2ND BARRIER, NIGHT CAP 3RD BARRIER SDFN
7/1/2016	6:00 7:30	1.50	WOR	28		P		HELD SAFETY MEETING CREW, REVIEW JSA ON P/U 3 1/2" TBG



## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	7:30 9:30	2.00	WOR	17		P		TSIP 0, CSIP 100 PSI, CHECK ALL IGNITION SOURCE ARE OUT BLEED OFF CSG, OPEN WELL UP, RUN LANDING PINS OUT ON WELLHEAD, P/U ON STRING, CHANGED OUT 7 1/16" HANGER W/ NEW 7 1/16" HANGER, RELAND RUN IN LANDING PINS R/U HOT OILER 300 PSI LOW TEST NO HOLD, TRY 3800 PSI, LEAKS PIPE, BLIND & HYDRILL, R/U UP WEATHERFORD TEST UNIT, R/D UNIT, RUN OUT LANDING PINS, PULL OUT 7 1/16" HANGER,
	9:30 17:00	7.50	PRDHEQ	39		P		TOOH W/ 216 JTS 2 7/8" N-80 TBG, FOND ROD TOP CHANGE OVER RODS TOOH W/ 49 - 3/4" PUTS ROD TOP @ 1,225' CHANGED OVER TBG PULLED 14 JT 2 7/8" OILY, RIH W/ WIRELINE PERF TBG @ 640' TOOH W/ WIRELINE, TOOH W/ 21 JT 2 7/8" BACK OFF RODS TOOH W/ 27 - 3/4", 13 "C" 1/1/2" BARS TOOH 35 JT 2 7/8", 7" TAC, L/D 4 1-1/2" "C" BARS, & PULL ROD, 4 JT 2 7/8" 5 1/2" PBGA, 2 JT 2 7/8" MUD JT 5 3/4" NO GO, CLOSE BLIND RAMS & LOCK SEND CSG UP SALES INSTALL 2" BULL PLUGS IN ALL POSSIBLE SPOTS 2ND BARRIER
	17:00 19:00	2.00	WOR	40		P		STEAM CLEAN W/ FACE SHEILD HOT OILER ALL WORK AREA WATER TRUCK SUCK CELLAR SDFN
7/2/2016	6:00 7:30	1.50	WOR	28		P		HELD SAFETY MEETING CREW, REVIEW JSA ON P/U 3 1/2" TBG
	6:00 7:30	1.50	WOR	28		P		HELD SAFETY MEETING W/ RIG CREW JSA ON P/U 3 1/2"
	7:30 9:30	2.00	WOR	17		P		TSIP 0, CSIP 100 PSI, CHECK ALL IGNITION SOURCES ARE OUT, BLEED OFF CSG, OPEN WELL UP, RUN LANDING PINS OUT ON WELL HEAD, PULL UP ON STRING, CHANGED OUT 7 1/16" HANGER, W/ NEW 7 1/16" HANGER, RELAND RUN IN LANDING PINS, R/U HOT OIL, PRESSURE UP 300 PSI, LEAKS! TRY 3800 PSI, LEAKS, HYDRILL, PIPE RAMS, BLIND RAMS, R/U WEATHERFORD TEST UNIT, GOT ALL THREE TEST W/ UNIT R/D UNIT RUN OUT LANDING PINS PULL HANGER UP OUT WELL
	7:30 8:30	1.00	WLWORK	37		P		CSIP 100, CHECK ALL IGNITION SOURCES, BLEED CSG OFF R/U THE PEFORATORS WIRELINE, RIH TAG TD @ 10,470' POOH W/ WIRELINE, R/D TRUCK
	8:30 10:00	1.50	WOR	18		P		OPEN DOORS ON BOPS, PULL 2 7/8" PIPE RAMS, INSTALL 3 1/2" RAMS, LOWER HANGER, RUN IN 2 LANDING PINS, CLOSE PIPE RAMS, LOW TEST 300 PSI 5 MIN, HIGH TEST 3800 PSI, UNSCREW LANDING PINS, PULL HANGER, R/D WEATHERFORD UNIT

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	9:30 17:00	7.50	PRDHEQ	39		P		TOOH W/ 216 JTS 2 7/8" N-80 T BG, FOND ROD TOP, CHANGE OVER, P/U ON STRING TOO H W/ 49 RODS PUT RODS @ APPROX 1,225', CHANGE OVER TBG PULLED 14 JT 2 7/8" OILY, R/U WIRELINE RIH PERF TBG APPROX @ 640' TOO H W/ 21 JT, FOND RODS BACK OFF RODS TOO H 42 - 3/4"
	10:00 19:00	9.00	WOR	39		P		TOOH W/ 29 JT 2 7/8", BACK OFF ROD, TOO H W/ 27 - 3/4", 13 1 -1/2" "C" BARS, TOO H W/ 35 JT 2 7/8", 7" TAC, L/D 4 1 1/2" "C" BARS, & PULL ROD, 4 JT 2 7/8", 5 1/2" PBGA, 2 JT 2 7/8" MUD, 5 3/4" NO/GO CLOSE BLIND RAMS & LOCK SEND CSG UP SALE LINE, INSTALL 2" BULL PLUG IN ALL POSSIBLE SPOTS 2ND BARRIER
	17:00 19:00	2.00	WOR	40		P		STEAM CLEAN W/ HOTOILER ALL WORK AREA W/ WATER TRUCK SUCK CELLAR
	19:00 19:30	0.50	WOR	39		P		CLOSE LOCK PIPE RAMS 1 ST BARRIER, 2" BULL PLUG IN ALL POSSIBLE SPOTS, INSTALL 3 1/2" TIW VAVLE, 1 ST BARRIER NIGHT CAP ON TOP 2ND BARRIER SDFN
7/3/2016	6:00 6:00	24.00	WOR	18		P		SHUT DOWN FOR WEEKEND
7/4/2016	6:00 6:00	24.00	WOR	18		P		SDFW
	6:00 6:00	24.00	WOR	18		P		SHUT DOWN FOR HOLIDAY
7/5/2016	6:00 8:42	2.70	WOR	18		P		NO ACTIVITY
	6:00 7:30	1.50	WOR	28		P		HELD SAFETY MEETING W/ CREW JSA ON ACID JOB
	7:30 12:00	4.50	WOR	39		P		TSIP 0, CSIP 0, CHECK ALL IGINTION SOURCE BLEED OFF WELL, CONT P/U 136 JT 3 1/2", RD HYDRO TESTER,
	12:00 16:30	4.50	WOR	39		P		SET RBP @ 10,440' P/U SET PKR @ 10420' FILL & TEST TOOLS 1000 PSI HELD GOOD PULL UP SET PKR @ 10,299' W/ 20K COMPRESSION, INSTALL 4 1/16" 10K FRAC VAVLE, R/U WEATHER FRAC CREW HELD SAFETY MEETING, TEST LINES 9289 PSI HELD GOOD PUMP START MUTAUL, 3 BBLS, START WATER 3BBLS, 8 BBLS ACID, 30 BBLS @ 7.6 BPM, HOLE LOADED, PUMP 15,000 GALS 15% HCL, DROPPED TOTAL 72 BIO BALLS, 15 BBLS SCALE INH, FLUSH W/ 98 BBLS SHUT DOWN 3551 PSI, 5MIN 3330, 10MIN 3210, 15MIN 3150 START BLEED BACK @ 1 BBL MIN +/- APRROX 1 HR,
	16:30 17:30	1.00	WOR	39		P		R/D 4-1/16 FRAC VAVLE, RELEASE PKR, RIH W/ 5 JT 3 1/2" "J" UP ON RBP @ 10,440' & RELEASE PLUG, TOO H SET RBP@ 10,031' TOO H SET PKR @ 9,753' INSTALL 4 1/16" FRAC VAVLE IN 3 1/2"
	17:30 18:00	0.50	WOR	31		P		INSTALL NIGHT CAP TOP VAVLE 2ND BARRIER, CLOSE LOCK PIPE RAMS 1ST BARRIER, 2ND INSTALL 2" BULL PLUGS IN ALL POSSIBLE SPOTS
7/6/2016	6:00 7:30	1.50	WOR	28		P		SAFETY MEETING JSA ON WORKING AROUND HIGH PRESSUR LINES
	6:00 7:30	1.50	WOR	28		P		HELD SAFETY MEETING W/ CREW JSA ON WORKING AROUND ACID

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	7:30 11:00	3.50	WOR	35		P		TSIP 0, CSIP 0, R/U WEATHERFORD PUMP LINES, TEST 8900 PSI ( HAD LEAK FLANGE ON 4 1/16 10K VAVLE FIXED IT!) TEST LINES 9100 PSI HELD GOOD START W/ 4 BBLS START MUTAU, 5 BBLS START WATER, 9 BBLS START 15% ACID, ACIDIZE PERFS W 15,000 GALS 15% HCL, PUMP 15 BBLS SCALE INH, AVG RATE 12 BPM @ 4100 PSI, FLUSHED W/ 99 BBLS 2% SHUT DOWN 1350 PSI, 5 MIN 482, 8 MIN 0 P/U ON 4 1/16" FRAC VAVLE, RELEASE PKR , L/D VAVLE RIH 9 JT 3 1/2" RET 7" RBP MOVE UP HOLE SET @ 9,631' TOOH W/ 16 JT SET PKR @ 9,140' R/U 4
	7:30 16:00	8.50	WOR	39		P		CSIP 0 , TSIP 0, CHECK ALL IGNITION SOURCES, OPEN WELL UP UNLOCK PIPE RAMS, REDRESS HYDRO TEST TOOLS CONT P/U 3 1/2" TBG TOTAL 325 JT SET RBP @ 10440, P/U SET 7" PKR @ 10338', FILL W/ 55 BBLS, TEST TOOLS 1000 PSI. HELD GOOD, RELEASE PKR TOOH W/ 4 JT 3 1/2", P/U 8' X 3 1/2" PUP JT, 5K FRAC VAVLE, SET PKR @ 10,298' TEST PUMP LINES 8000 PSI, ACIDIZE W/ 5,000 GALS 15% HCL DROPPING 18 MID-RANGE BIO BALLS EVERY 1000 GALLONS, 12 BPM ( MAX RATE 2" LINE!) @ 6040 BPM SHUT IN PSI 3551 PSI, 5MIN @ 3330, 10MIN 3210, 15MIN 3250 PSI START FLOW WELL BACK 1 BPM, FLOW APPROX 30 BBLS BACK, OPEN RAMS HYDRILL, OPEN BY PASS PKR & RELEASE, 5K FRAC VAVLE STAND BACK IN DERRICK
	11:00 13:30	2.50	WOR	35		P		STAGE 3 ACID JOB, PRESSURE TEST LINE 9200 PSI HELD GOOD PUMP START MUTAU 2 BBLS, 3 BBLS START WATER, START 30,000 GAL 15% HCL ACID FLUSH, TOTAL 176 BIO BALLS, W/ .25 PPG ROCK SALT AS A DEVETER. 12 BPM @ 1196 PSI WAS HIGHS PSI SEEN, SHUT DOWN WELL ON A SUCK ! P/U RELEASE 7" PKR L/D 4 1/16" FRAC VAVLE, TIH "J" UP ON RBP & RELEASE
	13:30 18:00	4.50	WOR	39		P		TOOH W/ 195 JT 3 1/2" TBG EOT @ 4342' CLOSE PIPE RAMS & LOCK, INSTALL 2" BULL PLUG IN CSG VAVLE, 1ST & 2ND BARRIER, INSTALL TIW VAVLE 1ST BARRIER, 2ND BARRIER NIGHT CAP SDFN
	16:00 17:30	1.50	WOR	39		P		TIH W/ 2 JT 3 1/2" LATCH ON RBP, RELEASE TOOH W/ 12 JT 3 1/2" SET RBP @ 10,049', GET OFF PLUG, TOOH W/ 9 JT 3 1/2" SET PKR @ 9.752'
	17:30 18:00	0.50	WOR	17		P		CLOSE & LOCK PIPE RAMS SEND CSG GAS UP SALES LINE 1 ST BARRIER, INSTALL 2" BULL PLUGS IN ALL POSSIBLE SPOTS 2ND BARRIER, INSTALL 3-1/2" TIW VAVLE 1 ST BARRIER, 2ND BARRIER THREAD 1/2 W/ NIGHT CAP SDFN
7/7/2016	6:00 7:30	1.50	WOR	28		P		HELD SAFETY MEETING W/ CREW JSA ON WORKING AROUND HIGH PRESSURE LINES
	7:30 10:00	2.50	WOR	35		P		TSIP 50, CSIP 50, CHECK ALL IGNITION SOURCES BLEED OFF WELL, R/U WEATHERFORD STIMULATION CREW, PUMP 1 DRUM SOLVENT, ACIDIZE PERFS W/ 15,000 GALS 15% HCL, DROP TOTAL 117 BIO-BALLS, 245 BBLS PUMPED AWAY 4438 PSI, @ 12 BPM, PUMP 15 GALLONS SCALE INH, FLUSH W/ 99 BBLS 2% KCL, SHUT DOWN PRESSURE 1350 PSI, 5MIN SHUT IN 482 PSI, 8MIN 0 (WENT ON A SUCK!)

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	10:00 13:00	3.00	WOR	35		P		( 3RD STAGE STIMULATION) P/U ON 10K FRAC VAVLE, RELEASE 7" PKR, L/D VAVLE, TIH W/ 9 JT 3 1/2" "J" UP ON PLUG & RELEASE TOOH W/ 13 JT 3 1/2" SET PLUG @ 9,631' TOOH W/ 16 JT 3 1/2" P/U 10K FRAC VAVLE SET 7" PKR 20K COMP , R/U WEATHERFORD TEST LINES 9100 PSI, PUMP 30000 GALS 15% HCL, W/ CHEMICAL & ROCK SALT, 12 BPM @ 1196 PSI WAS TOP PRESSURE, SHUT DOWN PUMPING WELL WAS ON A SUCK , RELEASE 7" PKR, L/D 10K FRAC VAVLE
	13:00 18:00	5.00	WOR	39		P		TIH W/ 16 JT 3 1/2" "J" UP ON 7" RBP, RELEASE PLUG START L/D 3 1/2" TBG ON PIPE RACKS 190 JT PUTS PLUG@ 4345
	18:00 18:30	0.50	WOR	39		P		CLOSE & LOCK PIPE RAMS 1ST BARRIER, INSTALL 2" BULL PLUG IN ALL POSSIBLE SPOTS 2ND BARRIER, INSTALL TIW VAVLE 1 ST BARRIER, NIGHT CAP 2ND BARRIER SDFN
7/8/2016	6:00 7:30	1.50	WOR	28		P		HELD SAFETY MEETING JSA ON BLOW DOWN WELL BORE
	7:30 10:00	2.50	WOR	24		P		TSIP O, CSIP O, UNLOCK PIPE RAMS, CHECK ALL IGNITION SOURCES, OPEN TIW VAVLE, OPEN CSG VAVLE, CONT L/D 135 JT 3 1/2" P - 105, 7" PKR, 4' X 2 7/8" PUP, RET HEAD, 7" RBP.
	10:00 11:30	1.50	WOR	18		P		CHANGE OVER 2-7/8" EQUIPMENT, OPEN DOORS BOP PULL 3-1/2" PIPE RAMS, INSTALL 2-7/8" PIPE RAMS, CLOSE DOORS LOW TEST 300 PSI 5MIN HELD GOOD! HIGH TEST 4000 PSI HELD GOOD!
	11:30 15:30	4.00	WOR	39		P		M/U 5-3/4" NO/GO, 2 JT 2-7/8" MUD JT, 5 -1/2" PBGA, 2' X 2-7/8" 4PUP JT, NEW 2-7/8" PSN, 4' X 2-7/8", 4 JT 2-7/8", 7" KLX 8RD TIH 2-7/8" PRODUCTION STRING, 315 JT
	15:30		WOR	16		P		P/U 7 1/16" HANGER, SET TAC, LAND DOWN IN WELL HEAD, INSTALL TIW VAVLE, N/D HYDRILL, 5K BOP, 10K X 10K SPOOL, PULL HANGER UP OUT WELL HEAD TO NEXT CONNECTION, L/D TBG SUB, HANGER, TBG SUB, INSTALL "B" FLANGE & LAND TBG ON TBG HEAD! INSTALL RDIGIN, FLOW "T", RADIGIN, HOOK UP 2" LINE. ( R/D TBG WORK FLOOR BEFORE N/D!) INSTALL TIW VAVLE 1 ST BARRIER, NEEDLE VAVLE 2ND BARRIER, 2" BULL PLUG IN ALL POSSIBLE SPOTS SEND CSG & TBG UP SALES LINE SDFN
7/9/2016	6:00 7:00	1.00	WOR	28		P		HELD SAFETY MEETING CREW JSA ON TIH W/ ROD STRING THATS BEEN BACKED OFF( CHECK ALL BRAKES)
	7:00 12:00	5.00	WOR	39		P		TSIP O, CHECK ALL IGNITION SOURCE OPEN WELL UP, P/U & PRIME 2- 1/2" X 1-3/4" RHBC PUMP, 17 1-1/2" "C" BARS, 126 - 3/4" 4 GPR EL, 141 - 7/8" 4 GPR EL, 126 - 1" 4 GPR EL , (FLUSH & PUMP CHIMICAL BEFORE TIH!) SPACE OUT W/ 2 2' X 1" PONY'S P/U NEW 40' X 1-1/2" POLISH ROD W/ NEW PACKING IN STUFFING BOX! FILL TBG W/ 29 BBLS, PRESSURE UP 500 PSI, STROKE TEST 1000, TEST GOOD! WASH AROUND PUMP UNIT W/ HOT OILER ( CHECKED ALL ROD CONNECTIONS TIH!)
	12:00		WOR	18		P		RDMO HELP R T SLIDE ROTA FLEX FORWARD CHECK UNIT FOR TAG TURN OVER OPERATOR

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: LAKE FORK RANCH 3-14B4	
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.	9. API NUMBER: 43013500970000	
3. ADDRESS OF OPERATOR: 1001 Louisiana, Houston, TX, 77002	PHONE NUMBER: 713 997-5138 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1321 FSL 1246 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 14 Township: 02.0S Range: 04.0W Meridian: U	COUNTY: DUCHESNE	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <b>10/14/2016</b>	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input type="text" value="Drill Out 1 Plug"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please see attached proposed plug drill out procedure along with current and post WBD's.

**Approved by the**  
**October 18, 2016**  
**Oil, Gas and Mining**

Date: \_\_\_\_\_

By: Derek Duff

NAME (PLEASE PRINT) Linda Renken	PHONE NUMBER 713 997-5138	TITLE Sr. Regulatory Analyst
SIGNATURE N/A		DATE 10/11/2016

#### Lake Fork Ranch 3-14B4 Drillout Summary Procedure

- POOH with rods, pumping & tubing. Inspect/Repair/Re-furbish as needed. Replace any bad tubing and joints of rods.
- Pick up 6" rock bit, TIH and pump mutual solvent/HCL across 2016 Recom perms. Drill up 7" CBP @ 10,490'. Clean out to liner top @ 10,513'. Note top perf BELOW plug is @10,542'. TOH
- Pick up 3 5/8" rock bit, TIH to clean out well to PBTD @ 13,461'.
- Pull out of hole with work string and rock bit.
- RIH with production tubing and rods according to WBD.
- Clean location and resume production.



# EP ENERGY

## Schematic

Company Name: **EP Energy**Well Name: **LAKE FORK RANCH 3-14B4**Field, County, State: **Altamont - Bluebell, Duchesne, Utah**Surface Location: **Sec 14 T2S R4W 1321' FSL 1246' FEL**Producing Zone(s): **Wasatch**

Rig:

Date: **May 19, 2016**TD: **13,499**Updated By: **Walt**BHL: **Straight Hole**Elevation: **6231' KB**Spud: **January 5, 2010**

315 Jts 2-7/8" 6.5# N-80 8rd Tubing

### ROD DETAIL

1-1/2" x 40' Polished Rod  
 6', 6', 4', 2' x 1" EL Pony Rods  
 127 (3,175') - 1" EL Rods (W/G)  
 141 (3,525') - 7/8" EL Rods W/G  
 125 (3,125') - 3/4" EL Rods W/G  
 17 (425') - 1 1/2" Sinker "K" Bars  
 3' x 1" Stabilizer Sub W/ 3/4" Pins  
 2-1/2" x 1-3/4" x 38' Insert Pump

### LGR Recompletion

Stage 5: (9,168' - 9,330') 16,000 gal HCl

Stage 4: (9,427' - 9,598')

95,890 lbs 30/50 w/ 5,000 gal HCl

Stage 3: (9,778' - 9,857')

50,110 lbs 30/50 w/ 5,000 gal HCl

Stage 2: (9,930' - 10,001') 10,000 gal HCl

Stage 1: (10,334' - 10,401') 10,000 gal HCl

9-5/8" 40# N-80 LTC @ 4,197'

### Tubing Detail

Tubing Anchor Top @ ~10,178'  
 4 jts 2-7/8" 6.5# N-80 8rd Tubing  
 4' Pup Joint  
 Seating Nipple @ ~10,316'  
 2' x 2 7/8" Tubing Sub  
 5 1/2" x 32' PBGA  
 2 jt 2-7/8" Mud Anchor  
 5 3/4" No-Go Nipple  
 EOT @ ~10,417'

### UW & LGR Recom Jan '14

Stage 3 (10,542'-10,792') 22'/66 holes

15,000 gal 15% HCL

Stage 2 (10,808'-11,055') 23'/69 holes

5000 gal 15% HCL, 3,940 lbs 100 Mesh,

75,660 lbs 30/50 TLC

Stage 1 (11,079'-11,326') 23'/69 holes

5,000 gal 15% HCL, 5,000 lbs 100 Mesh,

75,000 lbs 30/50 TLC

### Initial Completion - 7 Stages

Stage 7: 11,370' - 11,496'

Stage 6: 11,526' - 11,736'

Stage 5: 11,779' - 12,096'

Stage 4: 12,130' - 12,457'

Stage 3: 12,492' - 12,793'

Stage 2: 12,827' - 13,103'

Stage 1: 13, 147' - 13,402'

7" CBP @ 10,490' w/ 20' of cement  
 TOL @ 10,513'

7" 29# P-110 LTC @ 10,730'

### Drill out CBPs & commingle-Sept'14

CBP @ 11,360' w/ 10' cmt-Jan'14

CBP @ 11,365'-Jan'14

PBTD @ 13,461'

4 1/2" 15.1# P-110 LTC @ 13,499'



### Plug DO Schematic

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		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: LAKE FORK RANCH 3-14B4	
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.	9. API NUMBER: 43013500970000	
3. ADDRESS OF OPERATOR: 1001 Louisiana, Houston, TX, 77002	PHONE NUMBER: 713 997-5138 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1321 FSL 1246 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 14 Township: 02.0S Range: 04.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 2/8/2013	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input checked="" type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This is a subsequent report for Sundry 40300 approved 07/23/2013.  
 Acidize well 150,000 gals 15% HCL and set a CIBP @ 13,449' (original  
 perfs 11,370' - 13,402' still open).

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 October 21, 2016

NAME (PLEASE PRINT) Linda Renken	PHONE NUMBER 713 997-5138	TITLE Sr. Regulatory Analyst
SIGNATURE N/A		DATE 10/10/2016

## CENTRAL DIVISION

ALTAMONT FIELD  
LAKE FORK RANCH 3-14B4  
LAKE FORK RANCH 3-14B4  
LOE LAND

### Operation Summary Report

Disclaimer: Although the information contained in this report is based on sound engineering practices, the copyright owner(s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.

## 1 General

### 1.1 Customer Information

Company	CENTRAL DIVISION
Representative	
Address	

### 1.2 Well Information

Well	LAKE FORK RANCH 3-14B4		
Project	ALTAMONT FIELD	Site	LAKE FORK RANCH 3-14B4
Rig Name/No.	NABORS DRILLING/0561	Event	LOE LAND
Start date	2/8/2013	End date	2/18/2013
Spud Date/Time	2/15/2010	UWI	014-002-S 004-W 30
Active datum	KB @6,231.0usft (above Mean Sea Level)		
Afe No./Description	160902/48370 / LAKE FORK RANCH 3-14B4		

## 2 Summary

### 2.1 Operation Summary

Date	Time Start-End		Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
2/9/2013	14:00	14:30	0.50	PRDHEQ	46		P		HSM WRITE AND REVIEW JSA TOPIC; MOVING RIG... ROAD RIG TO LOCATION
	14:30	18:30	4.00	PRDHEQ	42		P		MIRU PUMP 50 BBLS OF HOT 2% KCL DOWN ANNULUS FLUSH TBG w 60 BBLS OF HOT 2% KCL WTR N/D WELL HEAD N/U BOPE AND HYDRILL SECURE WELL SDFN
2/10/2013	6:00	6:00	24.00	PRDHEQ	18		P		NO ACTIVITY DOWN FOR WEEKEND
2/11/2013	6:00	6:00	24.00	PRDHEQ	18		P		NO ACTIVITY DOWN FOR WEEKEND
2/12/2013	6:00	7:00	1.00	PRDHEQ	46		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; TRIPPING TUBING AND SPOOLING CABLE
	7:00	9:00	2.00	PRDHEQ	42		P		SICP 800 PSI R/U SPOOLERS FLUSH CAP STRING
	9:00	15:00	6.00	PRDHEQ	42		P		TOH w 310 JTS OF 2 7/8" TBG SPOOLING CAPILLARY STRING & CABLE L/D ESP EQUIPMENT SENT PMP TO CASPER WY AND CABLE TO RANGLEY CO
	15:00	16:30	1.50	PRDHEQ	42		P		P/U ON/OFF TOOL SIH w 32 JTS OF 2 7/8" TBG TONGS ON RIG FAILED SHUT DOWN HAUL TONGS TO YARD FOR REPAIRES
2/13/2013	6:00	7:00	1.00	PRDHEQ	46		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; TRIPPING TUBING
	7:00	9:30	2.50	PRDHEQ	42		P		SICP 400 PSI SITP 250 PSI BLEED OFF WELL CONTINUE TIH w ON/OFF TOOL ENGAUGE PKR AT 10209'
	9:30	13:30	4.00	PRDHEQ	42		P		RELEASE 7" PKR TOH w 323 JTS OF 2 7/8" TBG L/D PKR
	13:30	15:00	1.50	PRDHEQ	42		P		R/U SLICKLINE TIH TAG 13447' SLMD PBDT 13461' BTM PERF 13402' TOH R/D SLICKLINE CLEAN WORK AREA SDFN
2/14/2013	6:00	7:00	1.00	PRDHEQ	46		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; TRIPPING TUBING...SPOT IN ACID TANK AND HEAT
	7:00	12:30	5.50	PRDHEQ	42		P		P/U 4 1/2" HD PKR 3 JTS OF 2 3/8" TBG XO 339 JTS OF 2 7/8" TBG SET PKR AT 10560' R/U FRAC VALVE...WHILE TIH MIRU ACID EQUIPMENT OFF LOAD ACID R/U FLOW BACK LINE
	12:30	13:30	1.00	PRDHEQ	18		P		ATTEMPT TO TEST LINES FAILED ISOLATE LEAK TO FRAC VALVE ORDER OUT FRAC VALVE FROM YARD R/D FRAC VALVE R/U FRAC VALVE FROM YARD
	13:30	15:00	1.50	PRDHEQ	18		P		TEST PMP AND LINES TO 9300 PSI OPEN WELL 0 PSI PUMP 15000 GAL OF ACID DROP 350 BOI BALLS FLUSH ACID TO BOTTOM PERF PLUS 10 BBLS ISDP 0 PSI AVE RATE 12.5 BPM MAX PRESSURE 6830 PSI AVE RATE 4163 PSI R/D PUMP EQUIPMENT

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	15:00 18:30	3.50	PRDHEQ	42		P		RELEASE 4 1/2" PKR TOH w TBG L/D PKR SECURE WELL SDFN
2/15/2013	6:00 7:00	1.00	PRDHEQ	46		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; WIRELINE WORK
	7:00 13:30	6.50	PRDHEQ	41		P		ORDER OUT WIRELINE TRUCK SICP 400 PSI BLEED OFF WELL PMP 50 BBLS OF HOT 2% KCL DOWN ANNULUS R/U WIRELINE TIH w 3.500 GAUGE RING TAG PBTD AT 13451' WLMD.TOH L/D GAUGE RING TIH w 4 1/2" CIBP AND SET AT 13449' TOH L/D SETTING TOOL R/D WIRELINE
	13:30 16:30	3.00	PRDHEQ	42		P		P/U 5 3/4" NO-GO SOLID PLUG 4 JTS OF 2 7/8" TBG DE-SANDER 7" ARROW PKR w ON/OFF TOOL TIH w 321 JTS OF 2 7/8" TBG SET PKR AT 10314' EOT 10457'
	16:30 17:30	1.00	PRDHEQ	42		P		SOH w 97 JTS OF 2 7/8" TBG EOT 7230' SECURE WELL SDFN
2/16/2013	6:00 7:00	1.00	PRDHEQ	46		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; TRIPPING TBG SPOOLING CABLE AND CAP STRING
	7:00 9:00	2.00	PRDHEQ	42		P		SICP 400 PSI SITP 250 PSI FINISH TOH w TBG L/D ON/OFF TOOL
	9:00 18:00	9.00	PRDHEQ	42		P		SPLICE MOTOR LEAD P/U ESP EQUIPMENT CHEMICAL MANDREL SENSOR MOTOR TANDUM GAS SEPERATOR SEALS 3-PUMPS 4' X 2 7/8" TBG SUB 2- JTS OF 2 7/8" TGB DRAIN SUB 2- JTS OF 2 7/8" TBG 2 7/8" PSN 2- JTS OF 2 7/8" TBG COLLAR STOP R/U SPOOLERS TIH w 178 JTS OF 2 7/8" TBG BANDING CABLE AND CAP STRING SECURE WELL SDFN EOT 5750'
2/17/2013	6:00 7:00	1.00	PRDHEQ	46		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; TRIPPING TUBING BANDING CABLE
	7:00 12:00	5.00	PRDHEQ	42		P		SICP 400 PSI SITP 250 PSI BLEED OFF WELL CONTINE TIH w 131 JTS OF 2 7/8" TBG BANDING CABLE AND CAP STRING SPACE OUT w 10', 8', 2', X 2 7/8" TBG SUBS SPLICE MOTOR LEAD LAND TBG EOT 9890' GAS SEPERATOR 9851'
	12:00 14:00	2.00	PRDHEQ	42		P		R/D FLOOR AND HANDLING TOOLS N/D HYTRILL AND BOPE N/U WELL HEAD
	14:00 21:00	7.00	PMPNG	18		P		START PUMP...ATTEMPT TO PUMP UP FAILED SHUT PUMP DOWN CHANGE POLARITY LET PUMP BACK SPIN START PUMP AT 1930 HR WOULD NOT PUMPED UP SHUT PUMP DOWN SECURE WELL SDFN
2/18/2013	6:00 7:00	1.00	PRDHEQ	46		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; PRESSURE
	7:00 10:00	3.00	PRDHEQ	42		P		SICP 50 PSI SITP 50 PSI BLEED OFF WELL START PUMP @ 7:20 AM PUMPED UP 1HR 45 MIN
	10:00 11:00	1.00	PRDHEQ	18		P		1ST HR MADE 28 BBLS 250 PSI AT INTAKE RUN AT 60 Hz MOTOR TEMP 244
	11:00 12:00	1.00	PRDHEQ	18		P		2ND HR MADE 27 BBLS 250 PSI AT INTAKE RUNNING AT 60Hz MOTOR TEMP 244 TURN WELL OVER TO PRODUCTION



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: LAKE FORK RANCH 3-14B4	
2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.	9. API NUMBER: 43013500970000	
3. ADDRESS OF OPERATOR: 1001 Louisiana, Houston, TX, 77002	PHONE NUMBER: 713 997-5138 Ext	9. FIELD and POOL or WILDCAT: ALTAMONT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1321 FSL 1246 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 14 Township: 02.0S Range: 04.0W Meridian: U	COUNTY: DUCHESNE	
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input checked="" type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/2/2016	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="DO Plugs"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Acidized with 7500 gals 15% HCL & DO CBP @ 10490'. Open perfs:  
 9168'-10401' (03/16 Recom), 10542'-11326' (01/14 Recom) &  
 11370'-13402' (Initial Completion). See attached for details.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 November 28, 2016

NAME (PLEASE PRINT) Maria S. Gomez	PHONE NUMBER 713 997-5138	TITLE Consultant
SIGNATURE N/A		DATE 11/9/2016

## CENTRAL DIVISION

ALTAMONT FIELD  
LAKE FORK RANCH 3-14B4  
LAKE FORK RANCH 3-14B4  
RECOMPLETE LAND

### Operation Summary Report

Disclaimer: Although the information contained in this report is based on sound engineering practices, the copyright owner(s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	8:30 12:30	4.00	WOR	39		P		P/U AND PRIME 2 1/2" X 1 3/4" X 38' RHBC ACCELERATED PUMP TIH # 16-1-1/2" C BARS P/U 1-1-1/2" NEW C BAR 125-3/4" RODS 132-7/8" RODS P/U 9-3/4" NEW w/g 89-1" RODS P/U 38-1" NEW w/g RODS SPACE OUT w 6',6',4',2' X 1" PONY RODS FILL TBG w 10 BBLS OF 2% KCL WATER TEST AND STROKE TEST TO 1000 PSI GOOD TEST
	12:30 15:00	2.50	RDMO	02		P		RDMO SLIDE ROTO FLEX CHECK ALL VALVE AND BULL PLUGS CHECK FOR TAG NO TAG TUEN WELL OVER TO PRODUCTION
10/26/2016	14:00 15:30	1.50	MIRU	01		P		MOVE RIG FROM UT 2-14A3, MOVE IN EQUIPMENT
	15:30 17:00	1.50	MIRU	01		P		SLIDE UNIT AND RIG UP RIG. SHUT DOWN FOR DAY
10/27/2016	6:00 7:00	1.00	UNINARTL T	28		P		CREWTRAVEL, SAFETY MEETING FILL OUT AND REVIEW JSA'S ( LAYING DOWN POLISH ROD AND PUMP, OVERHEAD LOADS)
	7:00 9:00	2.00	UNINARTL T	03		P		WORK PUMP OFF SEAT WHILE PUMPING HOT 2% KCL DOWN CASING
	9:00 9:30	0.50	UNINARTL T	18		P		FLUSH RODS W/ 60 BBLS 2% KCL
	9:30 11:30	2.00	UNINARTL T	39		P		POOH WITH 126-1" RODS (37 W/G, 34 SLK, 55 W/G) 139-7/8" W/G, 125-3/4" W/G, L/D 17- 1 1/2" C-BARS AND 2 1/2" X 1 3/4" X 38" ROD PUMP. BLED CASING DOWN AND OBSERVED CASING WHILE PULLING OUT OF WELL. RECEIVE PERMISSION TO NIPPLE DOWN WELLHEAD AND N/U BOP STACK.
	11:30 13:00	1.50	WOR	16		P		PUMP DOWN CASING WHILE PICKING UP ON B-FLANGE, STRIP OFF, B-FLANGE AND INSTALL TUBING HANGER AND SUB. RELAND TUBING AND STRIP ON BOP, AND HYDRIL. PRESSURE TEST PIPE RAMS TO 4000 PSI FOR 15 MINUTES. TEST GOOD. INSTALL WASHINGTON HEAD AND RIG UP RIG FLOOR
	13:00 16:30	3.50	UNINSTUB	39		P		RELEASE TAC AND RIG UP TUBING SCANNERS POOH WITH 314 JTS 2 7/8" TUBING, TAC, 4 JTS 2 7/8" TUBING, 1-4' X 2 7/8" TUBING SUB, PLUS 45 SEAT NIPPLE , 2' X 27/8" TUBING SUB, 5 1/2" PBGA, 2 JTS 2 7/8" TUBING AND 5 3/4" SOLID NO GO. (LAID DOWN 4 BLUE 3 DUE TO ROD WEAR, 1 TO PITTING AND 2 DUE TO TUBING PIN GAULDING, ( 6 TTL)).
	16:30 7:30		WOR	39		P		TIH WITH 6" BIT, BIT SUB AND TALLEY IN HOLE WITH 20 STANDS 2 7/8" TUBING. EOT @ 1287'. SECURE WELL, SHUT & LOCK PIPE RAMS BARRIER 1, SHUT HYDRILL BARRIER 2, SHUT & NIGHT CAP TIW VALVE BARRIER 1 & 2, SHUT & NIGHT CAP CSG VALVE, BARRIER 1 & 2 LEAVE CASING OPEN TO TREATOR PUMPED 250 BBLS 2% KCL.
10/28/2016	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL, SAFETY MEETING, FILL OUT AND REVIEW JSA'S ( PUMPING ACID SAFELY)
	7:00 7:30	0.50	WOR	17		P		CSIP @ 100 PSI, TSIP @ 100 PSI. BLEED OFF WELL
	7:30 10:00	2.50	WOR	39		P		TRIP INTO WELL WITH BIT AND TUBING TO 9158' SHUT BOP
	10:00 11:00	1.00	WOR	35		P		R/U WEATHERFORD ACID PUMPING EQUIPMENT.
	11:00 11:15	0.25	WOR	28		P		HOLD PRE ACID PUMP SAFETY MEETING. COLLECT AND TEST ACID SAMPLES.
	11:15 12:45	1.50	WOR	35		P		PRESSURE TEST LINES TO 3000. PSI. PUMP 75 GALLONS MUTUAL SOLVENT, 2 BBLS 2% KCL, 7500 GALLONS 15% HCL, 2 BBLS 2% KCL, 55 GALLONS SCALE INHIBATOR, 77 BBLS 2% KCL, 10 GALLONS SCALE INHIBATOR AND FOLLOW WITH 77 BBLS 2% KCL. ISIP 0. ( PUMPED AVERAGE 5.1 BBLS A MINUTE @ 360 PSI) SHUT WELL IN
	12:45 16:00	3.25	WOR	18		P		LEAVE WELL SHUT IN FOR 3 HOURS FOR ACID TO WORK
	16:00 18:00	2.00	WOR	18		P		PUMP 200 BBLS 2% KCL DOWN CASING. SECURE WELL. SHUT DOWN FOR DAY
10/29/2016	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL, SAFETY MEETING, FILL OUT AND REVIEW JSA'S
	7:00 7:30	0.50	WOR	17		P		CSIP @ 300 PSI, TSIP @ 300 PSI. BLEED WELL DOWN

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	7:30 9:00	1.50	WOR	39		P		FINISH TRIPPING INTO WELL TAGGING FILL AT 10461' RIG UP SWIVEL
	9:00 12:15	3.25	WOR	18		P		PUMP 1550 BLS 2% KCL WITH POLOYMER DOWN CASIN ATTEMPTING TO GET CIRCULATION
	12:15 12:30	0.25	WOR	18		P		RIG DOWN SWIVEL
	12:30 17:00	4.50	WOR	39		P		POOH WITH 6" BIT, P/U 6" BIT, BIT SUB, JET SUB, FLAPPER ASSEMBLY, 2 7/8" X 4' PUP SUB, FLAPPER ASSEMBLY, 10 STANDS 2 7/8" TUBING, SAFETY JT, 2 7/8" BAILER AND A 2 7/8" X 4' PERFORATED SUB, CONTINUE TRIPPING INTO WELL. W/ A TTL OF 282 JTS TUBING. EOT @ 9120' SECURE WELL, SHUT & LOCK PIPE RAMS BARRIER 1, SHUT HYDRILL BARRIER 2, SHUT & NIGHT CAP TIW VALVE BARRIER 1 & 2, SHUT & NIGHT CAP CSG VALVE, BARRIER 1 & 2 PUMPED 1550 BLS 2% KCL.
10/30/2016	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL, SAFETY MEETING, FILL OUT AND REVIEW JSA. PICKING UP POWER SWIVEL AND TRAPPED PRESSURE)
	7:00 7:30	0.50	WOR	17		P		CSIP @ 150, TSIP @ 100 PSI. BLEED WELL OFF OPEN BOP
	7:30 8:00	0.50	WOR	39		P		TIH AND TAG FILL @ 10, 461'
	8:00 11:30	3.50	WOR	04		P		RIG UP SWIVEL AND DRILL UP FILL, CEMENT AND 7" CBP @ 10,490', PUSH TO LINER TOP @ 10,513' AND CLEAN UP CPB PARTS. WHILE PUMPING 1/2 BBL A MINUTE DOWN CASING, RACK OUT SWIVEL
	11:30 11:30	0.00	WOR	39		P		POOH WITH BAILER AND BIT, PICK UP 3 5/8" BIT, BIT SUB, JET SUB, FLAPPER ASSEMBLY, 2 3/8" X 4' TUBING SUB, FLAPPER ASSEMBLY, 20 JTS 2 3/8" TUBING, SAFETY SUB AND 2 3/8" BAILER. CONTINUE TIH PICKING UP 96 JTS 2 3/8" TUBING, AND 178 JTS 2 7/8" TUBING EOT @ 8837' SECURE WELL, SHUT & LOCK PIPE RAMS BARRIER 1, SHUT HYDRILL BARRIER 2, SHUT & NIGHT CAP TIW VALVE BARRIER 1 & 2, SHUT & NIGHT CAP CSG VALVE, BARRIER 1 & 2 PUMPED 200 BLS 2% KCL
11/1/2016	6:00 8:00	2.00	WOR	28		P		CREW TRAVEL, SAFETY MEETING, FILL OUT AND REVIEW JSA'S
	8:00 8:45	0.75	WOR	17		P		CSIP @ 650 PSI, TSIP @ 550 PSI. BLEED WELL OFF, PUMP 20 BLS 2% KCL DOWN CASING, 10 BLS 2% KCL DOWN TUBING
	8:45 9:30	0.75	WOR	39		P		CONTINUE TO TIH TO LT, RIG UP SWIVEL
	9:30 15:00	5.50	WOR	04		P		CLEAN 7" PLUG REMAINS OFF LT, TIH TO 11,190' R/U SWIVEL AND CLEAN OUT TO 11,120' FELL OUT OF BRIDGE IN CASING, CONTINUE TO TIH TO 13,245' CLEAN OUT TO 13,375' USING BAILER
	15:00 15:30	0.50	WOR	18		P		RACK OUT SWIVEL
	15:30 17:45	2.25	WOR	39		P		POOH W/ 290 JTS 2 7/8" TUBING, FLUSHING AS NEED
	17:45 18:00	0.25	WOR	18		P		SECURE WELL, SHUT & LOCK PIPE RAMS BARRIER 1, SHUT HYDRILL BARRIER 2, SHUT & NIGHT CAP TIW VALVE BARRIER 1 & 2, SHUT & NIGHT CAP CSG VALVE, BARRIER 1 & 2. OPEN PRODUCTION CASING TO TREATOR. PUMPED 250 BLS 2% KCL
11/2/2016	6:00 7:00	1.00	WOR	28		P		CREW TRAVEL, SAFETY MEETING, FILL OUT AND REVIEW JSA'S ( TRAPPED PRESSURE IN BAILER ASSEMBLY)
	7:00 7:30	0.50	WOR	17		P		TSIP @ 50 PSI, CASING OPEN TO TREATOR W/ 50 PSI. BLEED OFF WELLHEAD AND FLUSH TUBING W/ 30 BLS 2% KCL
	7:30 9:30	2.00	WOR	24		P		POOH WITH 37 JTS 2 7/8" TUBING TO DERRICK AND LAY DOWN 96 JTS 2 3/8" TUBING AND BAILER.
	9:30 9:45	0.25	INSTUB	28		P		HOLD SAFETY MEETING AND UPDATE JSA'S ON HYDROTESTING.

## 2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	9:45 16:30	6.75	INSTUB	39		P		PICK UP 5 3/4" SOLID NO-GO, 2 JTS 2 7/8" TUBING, 5 1/2" PBGA, 2' X 2 7/8" SUB, 2 7/8" PLUS 45 SEAT NIPPLE, 4' X 2 7/8" TUBING SUB. RIG UP HYDROTESTER AND TIH W/ 4 JTS 2 7/8" TUBING (TESTING ALL TUBING TO 8500 PSI,) 7" TAC W/ CARBIDE SLIPS, AND 315 JTS 2 7/8" TUBING. (BLEW UP 1 JT 2 7/8" TUBING, ROD CUT). R/D HYDROTEST TRUCK. S/N @ 10322.07' TAC @ 10191.63' EOT @10423.47'
	16:30 18:00	1.50	INSTUB	16		P		P/U TUBING HANGER W/6' SUB BELOW AND SET TAC @ 10,191.63. HANG TUBING ON HANGER, RIG DOWN RIG FLOOR. N/D BOP AND HYDRILL, P/U TUBING REMOVE 6' SUB AND HANGER. LAND TUBING ON TAPPED B FLANGE WITH 25K TENSION. BOLT UP B-FLANGE INSTALL 60' X 3/8" CAP STRING, N/U FLOW LINE. SHUT & NIGHT CAP TIW VALVE BARRIER 1 & 2, SHUT & NIGHT CAP CSG VALVE, BARRIER 1 & 2. OPEN PRODUCTION CASING TO TREATOR. PUMPED 90 BBLS 2% KCL
11/3/2016	6:00 7:00	1.00	INARTLT	28		P		CREW TRAVEL, SAFETY MEETING, FILL OUT AND REVIEW JSA, (RUNNING RODS AND ROD TONGS SAFELY)
	7:00 7:30	0.50	INARTLT	18		P		FLUSH TUBING W/ 60 BBLS 2% KCL DOWN TUBING AT 250 DEGREES AND 10 GALLONS CORROSION INHIBITOR
	7:30 11:00	3.50	INARTLT	03		P		PICK UP AND PRIME 2 1/2" X 1 3/4" C 38' ROD PUMP. TIH WITH 1-3' STABILIZER SUB, 20-1 1/2" C-BARS, 123-3/4" E/L RODS W/G, 143-7/8" EL RODS W/G, 55 1" RODS W/G, 34-1" SLK EL RODS, 32-1" EL RODS W/G AND 1-1" SLK EL ROD. SPACE OUT PUMP W/ 1-8' AND 2-2' X 1" ROD SUBS. P/U NEW 1 1/2" X 40' POLISH ROD AND SEAT PUMP @ 10322'.
	11:00 11:30	0.50	INARTLT	18		P		FILL TUBING W/ 25 BBL'S 2% KCL. AND TEST TO 1000 PSI. TEST GOOD GOOD PUMP ACTION.
	11:30 13:30	2.00	RDMO	02		P		RIG DOWN RIG, SLIDE ROTOFLEX, HANG OFF RODS AND STROKE TEST WELL WITH PUMPING UNIT. ( PICKED RODS UP 50" OFF TAG). TURN WELL OVER TO PRODUCTION